



Environment

Prepared for:
Scott Figgie LLC
Frankford, DE

Prepared by:
AECOM
Buffalo, NY
60538931
June 2021

Periodic Review Report (April 10, 2020 through April 9, 2021)

Former Scott Aviation Facility
Lancaster, New York
NYSDEC Site Code No. 9-15-149





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Dino L. Zack, PG, STS

Prepared By [Name]

James Kaczor, PG

Reviewed By [Name]

Contents

1.0 Introduction.....	1-1
1.1 Report Organization.....	1-1
1.2 Site Background.....	1-2
1.2.1 Site Geology/Hydrogeology.....	1-2
1.2.2 Site Remedial Investigation/Feasibility Study	1-2
1.2.3 Record of Decision.....	1-3
1.2.4 Previous Remediation Activities	1-3
1.2.5 Additional Investigation Activities	1-4
1.2.6 Remedial Alternatives Analysis	1-4
1.2.7 Injection Pilot Tests	1-4
1.3 Remedial Action Objectives.....	1-5
2.0 Current Remediation System Configuration and Operation and Maintenance Summary	2-1
2.1 Current Remediation System Description and Configuration	2-1
2.2 Combined DPE Remediation System Operation Summary.....	2-1
2.3 Routine DPE System Maintenance and Troubleshooting.....	2-2
2.3.1 Routine System Maintenance	2-2
2.3.2 System Troubleshooting and O&M	2-2
2.3.3 Waste Disposal	2-3
3.0 Groundwater Monitoring Summary	3-1
3.1 Description of Groundwater Monitoring Activities for the Reporting Period	3-1
3.2 April 2021 Groundwater Sampling, Elevations and Groundwater Flow Direction	3-1
3.3 April 2021 Groundwater Analytical Results	3-2
3.4 Comparison of April 2021 Groundwater Analytical Data with Historical Groundwater Analytical Data	3-3
3.5 Groundwater Collection Trench and Dual-Phase Extraction Wells Groundwater Analytical Data	3-4
3.6 Monitored Natural Attenuation.....	3-5
3.7 Dechlorinating Bacteria Analysis.....	3-5
3.8 Dechlorinating Chemical Analysis.....	3-6
3.9 Total Organic Carbon	3-6
4.0 Groundwater Remediation System Monitoring and VOC Mass Removal Summary	4-1

4.1	System Monitoring Results.....	4-1
4.1.1	Air Discharge Monitoring	4-1
4.1.2	Water Discharge Monitoring	4-1
4.2	Mass Removal Summary	4-2
5.0	Conclusions and Recommendations	5-1
5.1	Conclusions.....	5-1
5.2	Recommendations.....	5-2
5.3	Proposed Monitoring and Compliance Sampling Schedule.....	5-2
6.0	Evaluate Remedy Performance, Effectiveness, and Protectiveness.....	6-1
6.1	Institutional Controls and Engineering Controls Certification	6-1
7.0	References	7-1

List of Appendices

Appendix A Former Scott Aviation West of Plant 2 O&M Checklist

Appendix B April 2021 Groundwater Sampling Logs

Appendix C Current and Historical Summary of Groundwater Elevations

Appendix D Current and Historical Summary of VOCs in Groundwater

Appendix E Analytical Laboratory Data Packages (Provided on CD)

Appendix F IC/EC Certification

List of Tables

<u>Table</u>	<u>Title</u>
1	Remedial Action Objectives
2	Monitoring Well, Nested Piezometer, and Dual-Phase Extraction Well Construction Specifications
3	Summary of the Groundwater Monitoring Program – July 2020 through April 2021
4	Groundwater Monitoring Well Water Level Data – April 6, 2021
5	Summary of Groundwater Monitoring Well Analytical Data – April 2021
6	Summary of Groundwater Collection Trench Analytical Data – April 2021
7	Summary of Dual-Phase Extraction Groundwater Analytical Data – April 2021
8	Bioattenuation Screening Summary – April 2021
9	Summary of Vapor Monitoring Results – April 2021
10	Volatile Organic Compound Mass Removed – Aqueous Phase
11	Volatile Organic Compound Mass Removed – Vapor Phase
12	Combined DPE Remediation System Operation and Maintenance Schedule
13	Proposed Groundwater Monitoring Schedule – July 2021 through April 2022
14	Proposed Monitoring and Compliance Sampling Summary

List of Figures

<u>Figure</u>	<u>Title</u>
1	Site Location Map
2	Site Features Map
3	Location of Previous Injection Points
4	November 2018 Injection Points
5	Typical Dual-Phase Extraction Recovery Well Construction Diagram
6	Typical Nested Piezometer Construction Diagram
7	Process and Instrumentation Diagram for Combined Dual Phase Extraction Remediation System
8	Average Overburden Groundwater Elevations – April 2021
9	Deep Overburden Groundwater Elevations – April 2021
10	1,1-Dichloroethane in Groundwater Isoconcentration Contour Map – April 2021
11	cis-1,2-Dichloroethene in Groundwater Isoconcentration Contour Map – April 2021
12	Chloroethane in Groundwater Isoconcentration Contour Map – April 2021
13	Trichloroethene in Groundwater Isoconcentration Contour Map – April 2021
14	Toluene in Groundwater Isoconcentration Contour Map – April 2021
15	Xylene in Groundwater Isoconcentration Contour Map – April 2021
16	Vinyl Chloride in Groundwater Isoconcentration Contour Map – April 2021
17	Shallow Overburden Total Volatile Organic Compounds Isoconcentration Contour Map – April 2021
18	Deep Overburden Total Volatile Organic Compounds Isoconcentration Contour Map – April 2021
19	Historical and Current Summary of Trichloroethene in Groundwater at MW-4
20	Historical and Current Summary of Trichloroethene in Groundwater at MW-8R
21	Historical and Current Summary of Trichloroethene in Groundwater at MW-13S
22	Historical and Current Summary of Trichloroethene in Groundwater at MW-16S
23	Total Organic Carbon in Groundwater Isoconcentration Contour Map – April 2021

List of Acronyms

ABC+®	Anaerobic BioChem and zero valent iron
ABC-Ole®	a mixture of Anaerobic Biochem, zero valent iron, and emulsified fatty acids
AMSL	above mean sea level
AECOM	AECOM Technical Services, Inc.
AS	air stripper
bgs	below ground surface
BSA	Buffalo Sewer Authority
cis-1,2-DCE	cis-1,2-dichloroethene
CD	compact disc
1,1-DCA	1,1-dichloroethane
DPE	dual-phase extraction
EC/BPDES	Erie County/Buffalo Pollution Discharge Elimination System
ERD	Enhanced Reductive Dechlorination
ft	feet
gpm	gallons per minute
GWCT	groundwater collection trench
GWTB	groundwater treatment building
HES	Heritage Environmental Services, LLC
IC/EC	Institutional Controls and Engineering Controls
lb/hr	pounds per hour
LNAPL	light non-aqueous phase liquid
LRP	liquid ring pump
Matrix	Matrix Environmental Technologies, Inc.
mg/kg	milligram per kilogram
MNA	monitored natural attenuation
MVS	mechanical volatilization system
µg/m ³	micrograms per cubic meter
µg/L	micrograms per liter
mg/L	milligrams per liter
NYSDEC	New York State Department of Environmental Conservation
O&M	operation and maintenance
PFAS	per- and polyfluoroalkyl substances

PRR	Periodic Review Report
RAER	Remedial Action Engineering Report
RAO	remedial action objective
RDWP	Remedial Design Work Plan
RI/FS	remedial investigation/feasibility study
ROD	Record of Decision
SICR	Site Investigation Completion Report
SVE	soil vapor extraction
1,1,1-TCA	1,1,1-trichloroethane
TCE	trichloroethene
TEH	total extractable hydrocarbons
TOC	total organic carbon
TOGS	Technical and Operational Guidance Series
TSS	total suspended solids
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VC	vinyl chloride
VOC	volatile organic compound
ZVI	zero valent iron

Certification

I hereby certify, as a Professional Engineer licensed in the State of New York, that this "Periodic Review Report (April 10, 2020 through April 9, 2021)", prepared by AECOM Technical Services, Inc. for Scott Figgie LLC, was completed in conformance with accepted standards of practice for a project of this scope and nature, as well as the requirements of State of New York, Department of Environmental Conservation (NYSDEC), Order on Consent, Index No. B9-0377095-05, for the former Scott Aviation property (formerly Figgie International), NYSDEC Site Code No. 9-15-149.

Warning: It is a violation of the New York State Education Law for any person, unless acting under the direction of a licensed professional engineer, to alter an item in these plans or report in any way. If alterations are required, they shall be made in accordance with Article 145, Subsection 7209 of the New York State Education Law.



Signature: _____

Timothy S. Renn, P.E.
New York License No. 085808
AECOM Technical Services, Inc.

Date: _____

6-28-2021

1.0 Introduction

On behalf of Scott Figgie LLC (successor to Scott Technologies, Inc., which was a successor to Figgie International), hereinafter “Scott”, and pursuant to the requirements of New York State Department of Environmental Conservation (NYSDEC), Order on Consent, Index No. B9-0377095-05, AECOM Technical Services, Inc. (AECOM) prepared this Periodic Review Report (PRR) to summarize the operation and maintenance (O&M) and groundwater monitoring activities for the combined dual-phase extraction (DPE) remediation system at the former Scott Aviation facility (the “Site”), NYSDEC Site Code No. 9-15-149, located at 225 Erie Street, Village of Lancaster, County of Erie, State of New York (**Figure 1**). A selected remedy for soil and groundwater was described in the Record of Decision (ROD), Scott Aviation Site, Village of Lancaster, Erie County, Site Number 9-15-149, which was signed into Declaration on November 7, 1994 (NYSDEC, November 1994). The reporting period discussed herein encompasses the period between April 10, 2020 and April 9, 2021. This is the sixteenth comprehensive remediation report.

1.1 Report Organization

The purpose of this PRR is to provide a summary of the current remediation system configuration, describe significant O&M and groundwater monitoring activities, discuss overall remediation system performance during the reporting period, and provide recommendations for future combined DPE remediation system operation.

This PRR was developed in general conformance with NYSDEC site investigation and remediation requirements (NYSDEC DER-10, May 2010). More specifically, this report provides the following information:

- Report organization details, a brief summary of Site history, previous Site investigations, remediation activities, and remedial action objectives (RAOs) for the Site (Section 1.0);
- A description of the current combined DPE remediation system configuration and detailed summary of O&M activities performed during the reporting period (Section 2.0);
- A groundwater monitoring program summary including a description of groundwater monitoring activities completed during the reporting period, a detailed review of the April 2021 comprehensive groundwater monitoring event, and a comparison of historical comprehensive groundwater analytical results to the April 2021 comprehensive groundwater analytical results (Section 3.0);
- A summary of groundwater remediation system monitoring and O&M and remediation progress (Section 4.0);
- Conclusions, a description of upcoming Site-related activities, and a proposed monitoring and compliance sampling schedule (Section 5.0);
- Certification of the Institutional Controls and Engineering Controls (IC/EC; Section 6.0); and,
- References used in the preparation of this report (Section 7.0).

Supporting information used in the preparation of this PRR is included in six appendices:

- Appendix A contains a copy of the O&M checklist used for the combined DPE remediation system;
- Appendix B provides the groundwater sampling logs for the Site monitoring wells sampled in April 2021;
- Appendix C presents a current and historical summary of groundwater elevations measured for the Site monitoring wells sampled in April 2021;
- Appendix D provides a current and historical summary of the volatile organic compounds (VOCs) detected in the Site monitoring wells sampled in April 2021;
- Appendix E provides all April 2021 analytical data packages on compact disc; and
- Appendix F includes the completed IC/EC certification.

1.2 Site Background

The following subsections present a brief summary of Site history and previous investigation and remediation activities.

1.2.1 Site Geology/Hydrogeology

The native soils underlying the Site generally consist of interbedded silts and clays with discontinuous sporadic fine sand lenses (shallow overburden). A thin coarse-grained layer is located above the bedrock (deep overburden). The average thickness of the overburden is approximately 21 feet (ft), ranging from 20 ft in the south to 26 ft in the north.

Groundwater is first encountered at the Site in the shallow overburden and then again just above the bedrock in the deep overburden. The natural flow of groundwater at the Site in both the shallow and deep overburden is to the northwest. Depth to groundwater across the Site in both the shallow and deep overburden is measured quarterly and is discussed in detail in Section 3.2 of this report.

1.2.2 Site Remedial Investigation/Feasibility Study

A 3,000-gallon underground storage tank (UST) was previously located at the Site, immediately adjacent to the southwestern corner of Scott Aviation Plant 2 (**Figure 2**). The UST was used to store waste cutting oil and spent chlorinated solvents generated during manufacturing operations conducted in Plant 2. Activities at Plant 2 have historically included the machining of piece parts from metal feedstock and the fabrication of cores to fit into devices that provide emergency oxygen upon demand in commercial aircraft (Earth Tech, April 2004).

During April 1991, the former Site owner, Figgie International, removed the UST. Based on contamination discovered during the removal of the UST, Figgie International entered into a remedial investigation/feasibility study (RI/FS) Order on Consent with the NYSDEC on July 9, 1992, and an RI was initiated by Versar, Inc. on behalf of Figgie International in the immediate area surrounding the former UST location. The final RI report, approved by the NYSDEC on December 13, 1993, indicated the presence of VOCs in excess of NYSDEC soil and groundwater guidance values to the west of Plant 2. A subsequent FS report was prepared by Figgie International and approved by the NYSDEC on August 29, 1994 (per O'Brien & Gere, July 1996).

1.2.3 Record of Decision

Based on the results of the RI/FS, the NYSDEC prepared a ROD, dated November 7, 1994, which required remedial actions to be initiated to address contaminated soils and groundwater at the Site. The ROD specified that soil remediation would be accomplished by excavating all soils with VOCs above Site-specific RAOs and subsequently treating the soil on-Site using an ex-situ soil vapor extraction (SVE) system. The established RAOs for the Site are presented in **Table 1** and are discussed further in Section 1.3 of this report. The ROD also specified that groundwater remediation would be performed by installing a groundwater collection trench (GWCT) west of Plant 2 to induce hydraulic capture of groundwater impacted with VOCs and by constructing an associated groundwater treatment system. A ROD Amendment approving the use of a mechanical volatilization system (MVS) to treat excavated soils in lieu of the proposed ex-situ SVE system was issued by the NYSDEC on April 19, 1995 (O'Brien & Gere, July 1996).

1.2.4 Previous Remediation Activities

This section summarizes previous soil and groundwater remedial activities performed at the Site.

1.2.4.1 Source Area Soil Excavation and Treatment

Following approval of the Remedial Design by the NYSDEC in September 1995, soil remediation actions were initiated. Soils to the west of Plant 2 in the vicinity of the former UST were excavated and treated on-Site using an MVS (see **Figure 2** for former UST location). The MVS process consisted of a screening plant and hammermill shredder that mechanically pulverized and aerated the excavated soil that had previously been amended with pulverized quick lime. Volatilization of the VOCs from the soil occurred as a result of the sieving and pulverizing actions and also because of the heat generated by the reaction of lime with moisture in the soil. Approximately 5,600 cubic yards of soil were excavated from depths ranging between 2 ft and 21 ft below ground surface (bgs; bedrock contact) and treated using the MVS. Based on analytical results for the treated soil (each individual VOC <1 milligram per kilogram (mg/kg) and total VOCs <10 mg/kg), the NYSDEC approved backfilling the excavation with the originally excavated soil processed on-Site with the MVS on December 11, 1995. Backfilling of the excavation was completed on December 19, 1995, which included a soil cover of the treated soil.

1.2.4.2 Groundwater Collection Trench

In accordance with the ROD, a 200-foot long GWCT was constructed approximately 90 ft west of Plant 2 during February 1996. The purpose of the trench was to maintain hydraulic control of VOC-impacted groundwater. The bottom of the trench was excavated down to bedrock (approximately 25 ft bgs). The bottom five feet of the trench consists of rounded pea gravel and the top 20 feet of the trench was backfilled with remediated soils. A 6-inch diameter slotted high density polyethylene pipe located at the bottom of the trench conveys water to a wet well located at the north end of the trench. The water is transferred from the wet well using a submersible pump through a 1-inch diameter schedule 80 polyvinyl chloride pipe to a treatment system located in the Groundwater Treatment Building (GWTB) located immediately west of Plant 2.

The groundwater treatment system consists of a low-profile shallow tray air stripper (AS) unit. Treated water from the AS unit is discharged to the Buffalo Sewer Authority (BSA) under an Erie County/ Buffalo Pollutant Discharge Elimination System (EC/BPDES) permit via a 2-inch diameter force main that discharges to a BSA sanitary sewer located south of the GWTB at Erie Street (O'Brien & Gere, July 1996). Start-up of the groundwater treatment system occurred on March 1, 1996. **Figure 2** shows the location of the GWCT and GWTB.

1.2.5 Additional Investigation Activities

Annual groundwater monitoring completed in April 1998 indicated an increasing trend in VOC concentrations in MW-4, located to the west of the GWCT at the western property boundary of the Site. Additionally, light non-aqueous phase liquid (LNAPL) was observed at MW-4 on the water level probe during a quarterly monitoring event conducted in November 1998. In April 1999, four new monitoring wells (designated MW-7, MW-8, MW-9, and MW-10) were installed to evaluate the extent and potential source of VOCs and LNAPL observed in MW-4. Based on repeated detections of VOCs and LNAPL in the groundwater to the west of the GWCT, a comprehensive site investigation was conducted in February 2003 to further assess the vertical and horizontal extent of VOCs and LNAPL.

During the 2003 investigation, LNAPL was observed in MW-8 only. A total of 21 direct push technology borings were advanced to the east and west of the GWCT to further assess the extent of impacted soils west of Plant 2. Results were summarized in the June 2003 Site Investigation Completion Report (SICR), and the data indicated the continued presence of chlorinated VOCs above the RAOs in the saturated soil and groundwater, primarily to the west of the GWCT (Earth Tech, June 2003).

1.2.6 Remedial Alternatives Analysis

Based upon the results of the 2003 investigation, a remedial alternatives analysis was completed, and results were included in the SICR. DPE was recommended to be implemented to supplement the existing remediation system and to further remediate VOCs in soil and groundwater at the Site (Earth Tech, June 2003).

At the request of the NYSDEC, a Remedial Design Work Plan (RDWP; Earth Tech, November 2003) was prepared that provided a detailed description and design for the proposed DPE system recommended in the SICR. A discussion of DPE system construction, startup, and O&M activities during approximately the first year of operation (May 14, 2004 through July 19, 2005) is provided in the first Remedial Action Engineering Report (RAER; May 14, 2004 through July 19, 2005; Earth Tech, November 2005).

1.2.7 Injection Pilot Tests

Beginning on July 28, 2010 and concluding on October 29, 2010, de maximis, Inc., on behalf of Scott and with NYSDEC approval, initiated a chemical oxidation pilot test (de maximis, July 2010). The test consisted of injection of sodium persulfate with chelated iron activation at 10 injection points located within the area of the >100 micrograms per liter ($\mu\text{g/L}$) trichloroethene (TCE) plume as defined in 2010. A second series of injections was performed between June and October 2011; refer to **Figure 3** for injection locations. A review of groundwater data at the source area monitoring wells following the pilot test indicated a spike in TCE concentrations, possibly due to mobilization of product from the vadose zone.

On November 6, 2014, AECOM submitted a 2014 Injection Pilot Test Work Plan (AECOM, November 2014) to NYSDEC detailing a pilot test injection program to be performed with the injectate Anaerobic BioChem and zero valent iron (ZVI; ABC+®). Following NYSDEC approval, the pilot test was performed in November 2014 in a 1,200 square foot area centered within source wells MW-4, MW-8R, and MW-16S; refer to **Figure 3** for injection locations. Each of the 8 injection points received approximately 480 gallons of ABC+®, mixed at approximately 16 percent by weight solution, and divided up between five depth intervals at 10, 13, 16, 19 and 22 ft bgs. Following the November 2014 injection of ABC+®, two rounds of groundwater samples were collected and analyzed for VOCs. The groundwater VOC data collected in January 2015 and April 2015 showed significant decreases in TCE concentrations in the

area of the injections, with corresponding increases in cis-1,2-dichloroethene (cis-1,2-DCE), chloroethane, and vinyl chloride (VC) concentrations.

On April 28, 2015, AECOM submitted the Addendum to the 2014 Injection Pilot Test Work Plan (AECOM, April 2015) to NYSDEC outlining a second phase of injections to be performed with the injectate ABC+®. Following NYSDEC approval, the injection program was performed between April and May 2015 in an approximate 3,600 square foot area centered around monitoring wells MW-4, MW-8R, MW-13S/D, and MW-16S/D, and DPE wells DPE-3, DPE-4, DPE-5, DPE-7, and DPE-8; refer to **Figure 3** for injection locations. A total of 21 injection points were completed with approximately 410 gallons of 16 percent by weight ABC+® injected at each location and divided up between five depth intervals at 10, 13, 16, 19 and 22 ft bgs. Note that this area was expanded vertically and horizontally from the first phase of injections as well as overlapped (offset) the first phase of injections. Per the table in presented in Section 3.4, TCE concentrations showed a decreasing trend following these injection events.

During the week of November 26, 2018, AECOM completed a five-day supplemental injection program per the 2018 Injection Work Plan (AECOM, October 2018) submitted to NYSDEC on October 31, 2018. ABC-Ole® with ZVI, a mixture of Anaerobic Biochem, ZVI, and emulsified fatty acids, was selected to remediate impacted groundwater in an approximate 4,500 square foot area within the 100 µg/L total VOC plume, which was based on October 2018 groundwater sample data. This area encompassed monitoring wells MW-4, MW-8R, MW-16S/D and MW-13S/D and dual phase extraction wells DPE-3, DPE-4, DPE-5, DPE-7, and DPE-8. The injectate ABC-Ole® with ZVI, mixed as an approximately 15 percent by weight solution, was injected at 20 locations (**Figure 4**). Sixteen injection points received approximately 400 gallons of solution each, with the four locations adjacent to monitoring well cluster MW-16 receiving approximately 500 gallons of injectate each. The injectate was distributed at depth intervals of 11, 14, 17, and 20 ft bgs and targeted the shallow water bearing unit.

To monitor the effectiveness of the November 2018 supplemental injections over time, monitored natural attenuation (MNA) parameters were collected from five monitoring wells (MW-4, MW-8R, MW-13S, MW-16S, and MW-16D) prior to the injection. MNA samples were also collected from the same five wells during the April 2019, July 2019, October 2019, April 2020, and April 2021 sampling events. Results of the MNA sample analyses are discussed further in Section 3.6 of this report

1.3 Remedial Action Objectives

Cleanup criteria for Site soil and groundwater are based on the RAOs established in the ROD (NYSDEC, November 1994). **Table 1** presents the Site-specific cleanup criteria for the contaminants of concern. The RAOs for the combined soil and groundwater remediation system include:

1. Maintain hydraulic control of shallow groundwater and eliminate potential off-Site migration of VOCs along the western property boundary.
2. Lower the groundwater table within the impacted source area to expose the aquifer matrix and subsequently extract soil vapors containing VOCs using enhanced vacuum extraction. By lowering the water table surface, the DPE system induces groundwater flow toward the system extraction wells, thereby allowing the applied vacuum to more effectively remove VOCs in the exposed aquifer matrix.
3. Reduce the mass of VOCs in the subsurface and remediate Site soil and groundwater to meet RAOs.
4. Obtain No Further Action status for the Site.

2.0 Current Remediation System Configuration and Operation and Maintenance Summary

This section provides a description of the current remediation system configuration and a summary of combined DPE remediation system O&M activities performed during the reporting period (April 10, 2020 through April 9, 2021).

2.1 Current Remediation System Description and Configuration

As described in Section 1.2.4.2 of this report, the initial groundwater remediation system installed at the Site consisted of a 200-foot long GWCT and an associated groundwater treatment system located to the west of Plant 2. The GWCT remediation system was combined to operate with a new DPE remediation system which was installed at the Site between February and May 2004. The combined remediation systems, known collectively as the combined DPE remediation system, began operation on May 14, 2004.

Figure 2 depicts the combined DPE remediation system including DPE system recovery wells, monitoring wells and nested piezometers, DPE system piping locations, the DPE system trailer, and the pre-existing GWCT and GWTB. The DPE system consists of eight recovery wells. **Figure 5** presents a typical DPE recovery well construction diagram. Three additional monitoring wells (MW-8R, MW-11 and MW-12) and four pairs of nested piezometers (MW-13S/D through MW-16S/D) were also installed as part of DPE system construction activities and monitoring activities completed in 2004 and 2005. A typical nested piezometer construction diagram is shown in **Figure 6**. Monitoring well, nested piezometer, injection well and DPE system recovery well construction details are provided in **Table 2**. Section 2.0 of the first RAER provides a detailed summary of recovery well and monitoring well installation, subsequent DPE system installation, and DPE system equipment specifications (Earth Tech, November 2005). **Figure 7** presents the process and instrumentation diagram for the combined DPE remediation system. Note that there are no buildings located over the groundwater plume. Any VOC vapors are collected through the DPE system and monitored through a quarterly sampling program; refer to Section 4.1.1.

2.2 Combined DPE Remediation System Operation Summary

The DPE system was taken offline following the second quarter 2014 sampling event to accommodate repairs to the Liquid Ring Pump (LRP) and an injection pilot test (refer to Section 1.2.7). The GWCT, however, remained in operation. In August 2016, the DPE system was put back on line. To accommodate the November 2018 supplemental injection, the DPE system and GWCT were taken off line. Two weeks following the supplemental injection, the GWCT was brought back on line; the DPE system was brought back on line in March 2020. During the current reporting period from April 10, 2020 through April 9, 2021, the total volume of groundwater treated and discharged to the sanitary sewer via the AS unit was approximately 559,993 gallons, at a combined average flow rate of 1.07 gallons per minute (gpm). The treated groundwater was discharged to the BSA via the local sanitary sewer system under permit No. 18-10-E4054.

2.3 Routine DPE System Maintenance and Troubleshooting

The following subsections describe routine remedial system maintenance and troubleshooting as well as associated waste disposal that occurred during the current reporting period.

2.3.1 Routine System Maintenance

During routine weekly Site visits, AECOM personnel recorded system operating parameters, and inspected and cleaned the various system components and piping as needed. Minor system repairs were also made as necessary throughout the reporting period. The O&M data collected during the Site visits was recorded using the O&M checklist presented in **Appendix A**. Data collected on these checklists are used to track the performance of the system.

2.3.2 System Troubleshooting and O&M

Sporadic system shutdowns and delays that required troubleshooting and maintenance occurred during the current reporting period. These activities, along with O&M activities, are summarized below. (Note: This information is based on a Scott Figgie LLC fiscal year, which begins on October 1st.)

Third Quarter 2020 (following April 2020 sampling event through end of July 2020 sampling event) combined DPE remedial system O&M:

- On May 6, 2020, AECOM and subcontractor Matrix Environmental Technologies, Inc. (Matrix) installed concrete pads around three DPE vaults (DPE-3, DPE-7, and DPE-8) and repaired two DPE well headers (DPE-4 and DPE-5).
- AECOM oversaw hazardous waste pick up by subcontractor Heritage Environmental Services, LLC (HES) on June 29, 2020; note, hazardous waste consisted of bag filters from the DPE system and solids generated during routine O&M activities.
- On July 20, 2020, AECOM oversaw Matrix troubleshoot the DPE system; the DPE system LRP oil was changed, and totalizers were disassembled, cleaned, and reassembled.

Based on a system operational period from April 9, 2020 (Second Quarter 2020 BSA compliance sampling event) to July 21, 2020 (Third Quarter 2020 BSA compliance sampling event), the estimated total volume of groundwater (including water collected in the remediation building sump) treated and discharged by the AS unit to the local sanitary sewer was 157,513 gallons, at an average flow rate of 1.06 gallons per minute.

Fourth Quarter 2020 (following July 2020 sampling event through end of October 2020 sampling event) combined DPE remedial system O&M:

- On September 28, 2020, AECOM met with subcontractor Matrix to troubleshoot the GWCT and DPE remediation systems; debris was removed from the AS effluent check valve, and the knockout tank transfer pump was determined to not be working properly (i.e., the stator was damaged). A new stator was ordered.
- On October 5, 2020, AECOM oversaw Matrix replace the knockout tank transfer pump stator; the DPE system was restarted.

Based on a system operational period from July 21, 2020 (Third Quarter 2020 BSA compliance sampling event) to October 7, 2020 (Fourth Quarter 2020 BSA compliance sampling event), the

estimated total volume of groundwater (including potential water collected in the remediation building sump) treated and discharged by the AS unit to the local sanitary sewer was 88,760 gallons, at an average flow rate of 0.8 gallons per minute.

First Quarter 2021 (following October 2020 sampling event through end of January 2021 sampling event) combined DPE remedial system O&M:

- On December 14, 2020, AECOM and subcontractor Matrix disassembled and cleaned the AS.
- On December 29, 2020, AECOM coordinated hazardous waste transportation and disposal activities with subcontractor HES; note, hazardous waste consisted of bag filters from the DPE system and solids generated during routine O&M activities.

Based on a system operational period from October 7, 2020 (Fourth Quarter 2020 BSA compliance sampling event) to January 19, 2021 (First Quarter 2021 BSA compliance sampling event), the estimated total volume of groundwater (including potential water collected in the remediation building sump) treated and discharged by the AS unit to the local sanitary sewer was 205,690 gallons, at an average flow rate of 1.37 gallons per minute.

Second Quarter 2021 (following January 2021 sampling event through end of April 2021 sampling event) combined DPE remedial system O&M:

- AECOM performed maintenance on the LRP (including oil change) and annual O&M activities with subcontractor Matrix on March 12, 2021.
- AECOM and Matrix replaced the DPE remediation trailer ventilation fan on March 17, 2021 and restarted the remediation systems.
- On March 25 and 26, 2021, AECOM and Matrix performed DPE well screen and conveyance pipe cleaning.
- On April 28, 2021, AECOM completed the HES waste stream recertification.

Based on a system operational period from January 19, 2021 (First Quarter 2021 BSA compliance sampling event) to April 6, 2021 (Second Quarter 2021 BSA compliance sampling event), the estimated total volume of groundwater (including potential water collected in the remediation building sump) treated and discharged by the AS unit to the local sanitary sewer was 108,030 gallons, at an average flow rate of 0.97 gallons per minute.

2.3.3 Waste Disposal

On June 29, 2020, HES transported and disposed one 55-gallon drum (116 pounds) containing sediment and miscellaneous debris from O&M activities. This hazardous material (F002 waste code) was generated during O&M activities conducted at the Site between January 2019 and June 2020. (As indicated in Section 2.2, the DPE system was idle from January 2019 until March 2020.)

On December 29, 2020, HES transported and disposed one 55-gallon drum (71 pounds) containing sediment and miscellaneous debris from O&M activities. This hazardous material (F002 waste code) was generated during O&M activities conducted at the Site between June 2020 and December 2020.

AECOM personnel supervised the loading of the drums at the Site prior to transportation to the Heritage Thermal Services, Inc. facility located in East Liverpool, Ohio. All hazardous waste manifests were signed by AECOM *“on behalf of and as an agent of Scott Figgie LLC”*.

3.0 Groundwater Monitoring Summary

The following subsections provide a detailed description of groundwater monitoring activities conducted during the current reporting period (April 10, 2020 through April 9, 2021), a review of the most recent comprehensive groundwater monitoring event analytical results, and a comparison of those results to historical comprehensive groundwater monitoring event analytical data.

3.1 Description of Groundwater Monitoring Activities for the Reporting Period

The groundwater monitoring program associated with the original GWCT system was combined with the monitoring program developed for the new DPE system in May 2004. Monitoring wells sampled during this reporting period were in general accordance with Table 14 of the NYSDEC-approved fifteenth PRR (AECOM, June 2020). A total of four groundwater monitoring events were performed during the current reporting period (**Table 3**). These included three targeted quarterly monitoring events (July 2020, October 2020, and January 2021) and one comprehensive monitoring event (April 2021).

In July 2020, October 2020, and January 2021, quarterly sampling was performed which targeted three perimeter monitoring wells (MW-2, MW-3, and MW-11) and six wells located within the TCE plume (MW-4, MW-8R, MW-13S, MW-13D, MW-16S, and MW-16D). In addition, DPE wells (DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-6, DPE-7, and DPE-8) and the GWCT manhole were sampled during the quarterly events.

In April 2021, a comprehensive groundwater monitoring event was conducted that included all Site monitoring wells and nested piezometer pairs (14 total wells), all eight DPE wells, and the GWCT manhole. Discussions of the results and the associated laboratory reports for the July 2020, October 2020, and January 2021 groundwater sampling events were provided to the NYSDEC in quarterly monitoring summary reports (AECOM, August 2020; AECOM, November 2020; and AECOM, February 2021). A discussion of the groundwater analytical results for the comprehensive April 2021 sampling event is presented in Section 3.3 of this report.

3.2 April 2021 Groundwater Sampling, Elevations and Groundwater Flow Direction

AECOM personnel collected groundwater samples for the latest comprehensive monitoring event between April 6 through 9, 2021 in accordance with the procedures outlined in the NYSDEC-approved RDWP. The monitoring wells sampled in April 2021 are shown on **Table 3**. Groundwater sampling logs generated during the April 2021 sampling event are provided in **Appendix B**. Groundwater samples were analyzed for VOCs by Eurofins TestAmerica, Inc. located in Amherst, New York, using United States Environmental Protection Agency (USEPA) Analytical Procedures Manual SW-846, Method 8260C.

A complete round of groundwater levels was measured for all Site monitoring wells, piezometers, and the GWCT manhole. **Table 4** provides a summary of groundwater elevations measured on April 6, 2021. A historical summary of groundwater levels and corresponding elevations and hydrographs for each monitoring well and nested piezometer pair is provided in **Appendix C**. Monitoring wells MW-2,

MW-3, MW-4, MW-8R, MW-9, and MW-11 are screened across both the shallow and deep water-bearing units. The nested piezometer pairs (MW-13S/D, MW-14S/D, MW-15S/D, and MW-16S/D) are discretely screened, with one piezometer screened in the shallow water-bearing unit ('S' designation) and one piezometer screened in the deep water-bearing unit ('D' designation). DPE wells DPE-1, DPE-3, DPE-5, DPE-6, and DPE-8 are screened in the shallow water-bearing unit, while DPE-2, DPE-4, and DPE-7 are screened in the deep water-bearing unit. The GWCT is installed in the deep water-bearing unit.

Two groundwater surface contour maps for April 2021 are provided. The average water levels calculated for the nested piezometer pairs and monitoring wells, in conjunction with DPE well water level data, were used to generate the groundwater surface contours presented in **Figure 8**. **Figure 9** illustrates the groundwater surface contours using only monitoring well deep piezometer and deep DPE water level data.

Groundwater elevations measured at monitoring wells and piezometers in April 2021 ranged from 675.60 ft above mean sea level (AMSL) at MW-14D to 686.19 ft AMSL at MW-15S. The average groundwater surface elevation across the site was 0.59 feet lower when compared to the prior round of groundwater elevation measurements collected in January 2021. The decrease in groundwater elevations may be attributable to DPE well screen and conveyance piping cleaning in March 2021. Based on these water level measurements, the groundwater surface beneath the Site continues to exhibit an inward radial pattern (i.e., cone of depression), and groundwater flows inward towards the operating DPE recovery wells and the GWCT. **Figures 8 and 9** show depressions in the water table surface centered on the DPE wells for shallow (average) overburden and along the GWCT for deep overburden. The historical groundwater flow direction at the Site before active groundwater remediation was initiated had been predominantly to the northwest. These figures indicate that the GWCT remediation system continues to induce groundwater flow reversal along the western property boundary. This groundwater flow reversal helps to provide sustained hydraulic capture of the on-Site groundwater.

3.3 April 2021 Groundwater Analytical Results

The April 2021 groundwater sampling event was the sixteenth comprehensive sampling event conducted at the Site following the installation of the DPE system in May 2004. VOCs detected in groundwater from monitoring wells during the April 2021 sampling event are presented in **Table 5**. The following table summarizes the VOCs detected, their respective concentration ranges, the number of detections, and the number of those detections that exceeded Site-specific groundwater RAOs or groundwater criteria presented in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 (NYSDEC, June 1998, January 1999 errata sheet, April 2000 addendum, June 2004 addendum) protection for source of drinking water (groundwater) standards (i.e., water class GA); herein referred to as TOGS 1.1.1 groundwater standards.

Groundwater Quality Results - April 2021

VOCs Detected in Groundwater	Concentration Range (µg/L)	Number of Detections	RAO/TOGS 1.1.1 Exceedances
cis-1,2-Dichloroethene*	1.6 – 57,000	11	6
Vinyl chloride*	1.9 – 71,300	10	6
Chloroethane*	0.7 – 1,300	10	6
1,1-Dichloroethane*	0.66 – 440	10	5
Toluene*	3.3 – 640	4	3
Trichloroethene*	0.77 – 58	2	1
Xylenes, total*	45	1	1
1,1-Dichloroethene	6.6	1	1
Acetone	3.4	1	0
Methylene Chloride	1.1	1	0
Benzene	0.56	1	0
1,2-Dichloroethane*	0.46	1	0

* Site-specific Remedial Action Objective

Twelve VOCs were detected in groundwater at monitoring wells and piezometers during the April 2021 sampling event. Eight of the 12 VOCs detected exceeded either the Site-specific RAOs or the TOGS 1.1.1 criteria for groundwater at one or more monitoring wells. **Figures 10 through 18** illustrate April 2021 isoconcentration contours for 1,1-dichloroethane (1,1-DCA), cis-1,2-DCE, chloroethane, TCE, toluene, xylenes (total), VC, and total VOCs (shallow and deep overburden), respectively. Note: concentration contours were not generated for 1,1,1-trichloroethane (1,1,1-TCA) or ethylbenzene as these compounds were not detected. These compounds are listed in the ROD as the Site-specific compounds for which RAOs were established (refer to **Table 1**).

As shown, the highest concentrations of VOCs were detected just west of the GWCT and in the former soil excavation area, in a suspected remnant source area located in the vicinity of monitoring wells and piezometers MW-8R, MW-15S, and MW-16S, and DPE wells DPE-5, DPE-7, and DPE-8. Cis-1,2-DCE, VC, chloroethane, 1,1-DCA and toluene exhibited the highest overall concentrations in Site groundwater. As has been observed historically, the shallow piezometers, which are screened in silts and clays, generally showed higher concentrations of the most frequently detected VOCs when compared to their deeper piezometer counterparts, which are screened in sands and gravels located immediately above bedrock.

3.4 Comparison of April 2021 Groundwater Analytical Data with Historical Groundwater Analytical Data

As previously described, quarterly groundwater quality data obtained during the reporting period, except for the April 2021 sampling event, was previously submitted to the NYSDEC in quarterly summary reports. Trend plots illustrating concentrations of TCE, cis-1,2-DCE, VC, 1,1,1-TCA, 1,1-DCA, and chloroethane over time are provided in **Appendix D**. Because concentrations of TCE were historically the highest detected of the contaminants of concern at the Site, a presentation of historical and current TCE concentrations in groundwater at Site monitoring wells and piezometers is provided in the table below.

TCE was reported above the Site-specific RAO at one well (MW-15S); note that well MW-15S is in the excavation fill area and was not targeted during the injection pilot test programs. Based on the decrease in concentration of TCE at these locations, as well as other locations with historical detections of TCE, the previous injections appear to be contributing to the ongoing degradation of TCE. This is most clearly demonstrated on the TCE trend plots in **Figures 19** through **22** for monitoring wells MW-4, MW-8R, MW-13S, and MW-16S.

**Summary of Annual TCE Concentrations in Groundwater
from January 2009 (pre-injection) through April 2021**

Well ID	TCE Concentrations (µg/L)													
	Jan 2009	April 2010	April 2011	April 2012	April 2013	April 2014	April 2015	April 2016	April 2017	April 2018	April 2019	April 2020	April 2021	
MW-2	< 5	<25	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	
MW-3	< 5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-4*	19,000	3,000	13,000	39,000	12,000	32,000	110	<100	<5	<20	2.1	<4	<4	
MW-6	< 5	<5	<1	<1	<1	<1	<1	<1	<1	NS	NS	NS	NS	
MW-8R	8,400	2,500	8,900	99,000	64,000	100,000	<2,000	<1,000	14	13	<40	<2	<10	
MW-9	< 5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
MW-10	< 5	<5	<1	<1	<1	<1	<1	<1	<1	<1	NS	NS	NS	
MW-11	0.77	0.95	1.2	0.51	<1	<1	<2	<1	<1	<2	<1	<1	<1	
MW-12	NS	<5	<1	<1	<1	<1	<1	<5	<1	<4	NS	NS	NS	
MW-13S*	3,400	1,400	40,000	39,000	40,000	32,000	31,000	<100	0.26	<40	0.70	<1	0.77	
MW-13D*	< 5	< 5	22	62	53	30	40	<10	<1	<1	<1	<1	<1	
MW-14S	0.38	< 5	< 1	1.3	<1	<1	<1	<1	<1	NS	<1	<1	<1	
MW-14D	< 5	9.4	0.97	0.64J	0.99	<1	<1	<1	<1	<1	<1	<1	<1	
MW-15S	180	270	200	240	140	160	85	110	70	85	98	95	58	
MW-15D	< 25	<5	<8	<10	<8	<20	<20	<10	<1	<5	<8	<2	<2	
MW-16S*	92,000	220,000	250,000	250,000	230,000	61,000	26,000	<4,000	86	<1,000	<1,000	<1	<1,000	
MW-16D*	52	12	22	42	57	<25	<20	<10	<1	<1	<2	<1	<1	

Notes:

J – Estimated concentration.

NS – Not sampled.

Wells with asterisks were targeted during the October 2010 and October 2011 sodium persulfate with chelated iron injections; delineated by the grey and black dashed/dotted vertical lines respectively.

Wells in **bold** were targeted during the November 2014 injection; delineated by the black dashed vertical line.

Wells in **bold** and shaded in grey were targeted during the April 2015 and November 2018 injections; delineated by the grey and black dotted vertical lines, respectively.

3.5 Groundwater Collection Trench and Dual-Phase Extraction Wells Groundwater Analytical Data

A grab sample was collected from the GWCT during each of the four quarters included in the reporting period; these data are summarized in **Table 6**. Note that GWCT VOC data are not available prior to July 24, 2015. Although the VOC concentrations in the GWCT are relatively low, the GWCT remediation system continues to induce groundwater flow reversal along the western property boundary. This

groundwater flow reversal aids in providing sustained hydraulic capture of the on-Site groundwater and is illustrated in the groundwater surface contour maps presented in **Figure 8** and **Figure 9**.

As stated above, groundwater grab samples were collected from DPE wells and analyzed for VOCs. Analytical data are presented in **Table 7** and generally show decreasing trends of chlorinated VOCs in groundwater following the November 2014 injection pilot test at the DPE wells closest to the injections.

An electronic copy of the analytical laboratory data package for the April 2021 sampling event is provided in **Appendix E** on a CD.

3.6 Monitored Natural Attenuation

As stated in Section 1.2.7, to monitor the effectiveness of the November 2018 supplemental injections over time, MNA parameters were collected from MW-4, MW-8R, MW-13S, MW-16S, and MW-16D during the April 2019, July 2019, October 2019, April 2020, and April 2021 sampling events; background monitoring well MW-11 was included in the April 2021 sampling event. Results of the April 2021 MNA samples are summarized in **Table 8**. Per **Table 8**, four of the five wells sampled for MNA parameters (not including background monitoring well MW-11) show strong evidence for anaerobic biodegradation of chlorinated organics to occur (i.e., MW-4, MW-13S, MW-16S, and MW-16D); the remaining well (MW-8R) shows adequate evidence for anaerobic biodegradation of chlorinated organics.

The use of the enhanced reductive dechlorination (ERD) amendments ABC+[®] and ABC-Ole[®] with ZVI were designed to provide needed nutrients, such as a soluble lactic acid carbon source, a phosphate buffer to control pH for optimum microbial growth, and ZVI which accelerates abiotic dechlorination of chlorinated ethenes and ethanes. The microbial analyses from “Bio-traps” placed on-Site indicates that the necessary concentrations of bacteria such as DHC species producing the enzymes tceA Reductase and VC reductase, remain present in the subsurface. Stimulation of the native bacteria by the injection of ABC+[®] and extra nutrients in the presence of chlorinated solvents in Site groundwater have dramatically reduced the concentrations of the original parent chlorinated VOCs, TCE and 1,1,1-TCA, over time. The initial concentrations of known TCA degradation products (1,1-DCA and chloroethane), as well as of TCE degradation products (1,2-DCE isomers and VC), suggest that reductive dechlorination of the chlorinated solvents present in site groundwater as a result of the November 2018 ABC+[®] injection event is occurring. Induction of reducing conditions by the injection of ABC+[®] can accelerate the reductive dechlorination of parent chlorinated VOCs and increase the relative accumulation of degradation intermediates such as cis-1,2-DCE and VC before complete mineralization. As the naturally more aerobic aquifer conditions return after treatment using ERD, VC oxidizing bacteria should increase and complete the dechlorination process to ethene followed by complete mineralization.

3.7 Dechlorinating Bacteria Analysis

On March 3, 2021, AECOM deployed two “Bio-traps”, one each at MW-4 and MW-16S, to determine the concentrations (i.e., cells/bead) of dechlorinating bacteria. On April 6, 2021, AECOM extracted the two “Bio-traps” and submitted them to Microbial Insights, Inc., in Knoxville, Tennessee for analysis. Per the analysis, MW-16S (the location that exhibited the highest levels of VOCs) had $> 10^4$ cells/bead of *Dehalococcoides*, indicating that reductive dechlorination will yield a generally useful biodegradation rate (Lu et al., 2006), and the concentrations of the other dechlorinating bacteria analyzed decreased. Concentrations at MW-4 remained approximately the same since the last measurement in April 2020 (note that VC Reductase dropped an order of magnitude). Refer to the table below for a summary of the dechlorinating bacteria data from January 4, 2016, April 9, 2020, and April 6, 2021. An electronic copy of the analytical laboratory data package for the April 2021 sampling event is provided in **Appendix E** on a compact disc (CD).

Sample ID	MW-16S	MW-16S	MW-16S	MW-4	MW-4	MW-4
Sample Date	1/4/16	4/9/20	4/6/21	1/4/16	4/9/20	4/6/21
Units	Cells/bead	Cells/bead	Cells/bead	Cells/bead	Cells/bead	Cells/bead
Dechlorinating Bacteria and Degradative Enzymes						
<i>Dehalococcoides</i>	2.28x10 ⁶	2.30x10 ⁵	1.26x10 ⁴	5.36x10 ⁵	6.21x10 ³	5.52x10 ³
tceA Reductase	1.02x10 ⁵	1.14x10 ⁴	1.63x10 ³	1.63x10 ⁴	4.59x10 ²	6.32x10 ²
BAV1 VC Reductase	6.80x10 ⁴	1.36x10 ³	2.84x10 ²	2.80x10 ⁴	4.27x10 ¹	9.49x10 ¹
VC Reductase	2.07x10 ⁴	1.96x10 ⁴	1.99x10 ²	4.81x10 ⁴	2.27x10 ²	7.40x10 ¹

3.8 Dechlorinating Chemical Analysis

In addition to the dechlorinating bacteria and degradative enzyme results, the presence and distribution of TCE degradation products (cis-1,2-DCE and VC) and 1,1,1-TCA degradation products (1,1-DCA and chloroethane) provide supportive evidence that the attenuation of TCE and 1,1,1-TCA and their degradation products via reductive dechlorination continues to occur in-situ at the Site. The occurrence and concentrations of these degradation products are directly related to the historic distribution of TCE and 1,1,1-TCA in the subsurface. The degradation products of TCE and 1,1,1-TCA were detected at their highest concentrations within the suspected source area near MW-4, MW-8R, MW-13S, and MW-16S. A limited number of other VOCs were sporadically detected in groundwater at the Site, with the majority of these detections located in groundwater at MW-15S (Note, MW-15S/D is located in the lime-stabilized excavation fill area and were not targeted during previous injection events because the pH of the groundwater in this area is too high to promote biological activity). The *Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water* (USEPA, September 1998) indicates that a pH value greater than 9 is outside the range for reductive dechlorination to occur.

3.9 Total Organic Carbon

Samples were collected for total organic carbon (TOC) analysis to monitor the concentration of organic carbon sources available for optimum microbial growth. Although TOC concentrations have decreased over time in the areas targeted during the last injection, the locations with the highest historical concentrations of contaminants of concern (MW-4 and MW-16S) still have TOC concentrations above 20 µg/L, which is the minimum TOC concentration required to maintain effective ERD. Refer to **Figure 23** for TOC Isoconcentration contours for April 2021.

4.0 Groundwater Remediation System Monitoring and VOC Mass Removal Summary

This section describes system performance monitoring and summarizes the mass of VOCs removed by the combined DPE remediation system during the current reporting period from April 2020 through April 2021.

4.1 System Monitoring Results

Air discharge and water discharge monitoring results are discussed in the following subsections.

4.1.1 Air Discharge Monitoring

Samples were obtained from the vapor effluent of the AS on a quarterly basis and analyzed by Eurofins TestAmerica, Inc., located in South Burlington, Vermont, using USEPA Compendium Method TO-15. Based on the analytical results for the vapor samples collected, the exhaust mass-loading rate was calculated and presented to the NYSDEC in the Site quarterly groundwater monitoring reports. The combined total of the exhaust mass-loading rates for the vapor discharges was compared to the NYSDEC guidance value of 0.5 pounds per hour (lb/hr) of VOCs. Vapor effluent monitoring results for the first three monitoring events (July 2020, October 2020, and January 2021) during the reporting period were previously submitted to NYSDEC, and no exceedance of the NYSDEC standard for VOC emissions occurred. Refer to Section 4.2 for a summary of air effluent data (including April 2021 data).

AECOM collected a vapor effluent sample from the AS unit for the final quarterly monitoring event of the reporting period on April 6, 2021. The vapor effluent analytical results for the reporting period are summarized in **Table 9**, and an electronic copy of the analytical laboratory data package is provided on the enclosed CD in **Appendix E**. During the April 2021 sampling event, nine VOCs were detected in the AS unit effluent and 11 VOCs were detected in the LRP effluent. The total VOC discharge from the combined DPE remedial system was 646 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). Based on the effluent totals, the calculated VOC discharge-loading rate for the remediation system was 0.0004 lb/hr, which is well below the NYSDEC discharge guidance value of 0.5 lb/hr.

4.1.2 Water Discharge Monitoring

Following the sale of the Site to AVOX Systems Inc. in September 2004, Scott retained the responsibility for BSA EC/BPDES permit compliance sampling and reporting, for a period of time specified by contract. The current BSA EC/BPDES permit (No. 18-10-E4054) is effective between October 1, 2018 through September 30, 2021. A permit application to renew the current BSA EC/BPDES permit was submitted on February 22, 2021.

The permit requires quarterly sampling of treated groundwater discharge from the combined DPE groundwater remediation systems for a specific list of VOCs, total extractable hydrocarbons (TEH), total suspended solids (TSS), and pH. The quarterly discharge samples are analyzed by Eurofins TestAmerica Inc., located in Amherst, New York. AECOM collected permit compliance samples from the AS unit treated effluent discharge sampling point in July 2020, October 2020, January 2021, and April 2021. Each quarter, AECOM tabulated the analytical data, converted the data to mass loading rates, compared the results to the permit requirements, and prepared a letter report for submittal to the

BSA and NYSDEC. No exceedance of any permit discharge limit occurred during any of the four reporting periods.

On October 19, 2020, BSA performed an annual compliance inspection at the Site. In an electronic mail from BSA dated October 21, 2020, the BSA stated that the inspection showed the facility was in compliance with all permit requirements. Samples collected by BSA on October 19, 2020 were also in compliance with all permit requirements per an electronic mail from BSA dated November 30, 2020.

4.2 Mass Removal Summary

The estimated VOC mass removed by the combined DPE system for both groundwater and soil vapor was calculated based on operational and analytical data collected between July 2020 and April 2021.

The mass removal via groundwater extraction by the remediation system was calculated using total influent VOC concentrations, collected quarterly, and AS unit totalizer readings. The aqueous phase calculations are presented in **Table 10**. As shown in the table, approximately 0.08 pounds of VOCs were removed via groundwater extraction by the combined DPE remediation system per data collected between July 2020 and April 2021.

In addition to the VOCs removed through the AS, the DPE system additionally collects vapor from the subsurface and volatilizes VOCs during the groundwater extraction process. Mass removal was calculated using LRP runtime measurements, the total average LRP effluent sample VOC concentration for the reporting period, and the actual LRP airflow rate based on the manufacturer's operational curve, converted to standard cubic feet per minute. These calculations are presented in **Table 11**; approximately 2.96 pounds of VOCs were removed via the vapor phase from the combined DPE remedial system. Therefore, including both mass removal through groundwater and vapor, a total of 3.04 pounds of VOCs are estimated to have been removed by the combined DPE remediation system during the current reporting period (year).

Combining the totals for the 16 reporting periods, the cumulative mass of VOCs removed by the combined DPE remediation system is estimated at 3,039 pounds since the startup of the system in its current configuration on May 14, 2004.

5.0 Conclusions and Recommendations

Based on results of the remediation system analytical and operational data collected during the reporting period, conclusions, upcoming Site-related activities, and a proposed system monitoring schedule are presented below.

5.1 Conclusions

1. The GWCT and DPE ran continuously except for minor repairs and O&M activities which required the systems to be temporarily taken off line as needed.
2. During the current reporting period from April 10, 2020 through April 9, 2021, the total groundwater treated and discharged to the sanitary sewer via the AS unit was an estimated 559,993 gallons, at a combined average flow rate of 1.07 GPM.
3. Approximately 3.04 pounds of VOCs were removed by the combined remediation system from April 2020 through April 2021. An estimated cumulative total of 3,039 pounds of VOCs has been removed since system startup on May 14, 2004.
4. The system discharges were in compliance with applicable requirements (i.e., BSA EC/BPDES permit effluent discharge limits for liquids, and the NYSDEC air emission standard for vapor of 0.5 lb/hr) throughout the reporting period.
5. Groundwater elevations measured at monitoring wells and piezometers in April 2021 ranged from 675.60 ft above mean sea level (AMSL) at MW-14D to 686.19 ft AMSL at MW-15S. The groundwater surface exhibits a cone of depression with groundwater flowing inward towards the active DPE wells and GWCT. The DPE wells and GWCT continue to induce groundwater flow reversal along the western property boundary, which serves to mitigate off-Site migration of VOCs in the shallow and deep overburden groundwater.
6. The groundwater analytical data and groundwater elevation data indicate that the DPE system and GWCT continued to maintain hydraulic control of groundwater by capturing potential off-Site migration of VOCs along the western property boundary.
7. During the April 2021 comprehensive groundwater sampling event, Site-specific RAO 1,1,1-TCA and ethylbenzene were not detected in monitoring wells or piezometers; TCE was detected above its Site-specific RAO only at MW-15S.
8. Cis-1,2-DCE, VC, chloroethane, 1,1-DCA and toluene exhibited the highest overall concentrations and were the most frequently detected VOCs in groundwater. For the April 2021 comprehensive groundwater sampling event, the highest concentrations of VOCs were detected just west of the GWCT and in the former source area soil excavation.
9. The presence and distribution of TCE degradation products (cis-1,2-DCE and VC) and 1,1,1-TCA degradation products (1,1-DCA and chloroethane), coupled with the "Bio-trap" results from April 2021, continue to provide supportive evidence for the attenuation of TCE and 1,1,1-TCA, and their degradation products, via in-situ reductive dechlorination.
10. Locations with the highest historical concentrations of contaminants of concern (MW-4, and MW-16S) have TOC concentrations well above 20 milligrams per liter (mg/L), the minimum

TOC concentration required to maintain ERD. At MW-8R and MW-13S, TOC has fallen below 20 mg/L.

5.2 Recommendations

Based on information gathered during the current reporting period, the following recommendations are proposed for the Site:

1. Clean and/or replace the manifold for the DPE system that has become fouled with lime buildup, prior to the next comprehensive groundwater sampling event in April 2022.
2. Redevelop the DPE wells with acid, if needed, to remove excessive lime buildup prior to the next comprehensive groundwater sampling event in April 2022.
3. Flush the DPE conveyance piping with acid to remove excessive lime buildup prior to the next comprehensive groundwater sampling event in April 2022.
4. Continue to sample active DPE wells and the GWCT for VOCs.
5. Continue to perform O&M activities as listed in **Table 12**.
6. Perform three targeted quarterly groundwater sampling events and one comprehensive groundwater sampling event during the next reporting period.
7. Continue to monitor the performance of the November 2018 supplemental injection program by performing annual MNA sampling at MW-4, MW-8R, MW-11, MW-13S, MW-16S, and MW-16D.
8. Assess in situ bioaugmentation using cultures to promote complete dechlorination to the end products chloroethane and ethene.
9. Finalize a Site Management Plan following direction from NYSDEC.

5.3 Proposed Monitoring and Compliance Sampling Schedule

The proposed schedule for groundwater sampling at the Site during the next reporting period is presented in **Table 13**. As shown in **Table 13**, three perimeter wells (MW-2, MW-3, and MW-11), six historic source area wells (MW-4, MW-8R, MW-13S, MW-13D, MW-16S, and MW-16D), eight DPE wells (DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-6, DPE-7, and DPE-8), and the GWCT will be sampled during the next three targeted quarterly events (July 2021, October 2021, and January 2022) for the next reporting period. The comprehensive groundwater monitoring event scheduled for April 2022 will include all 14 Site monitoring wells and nested piezometers as well as the DPE wells (DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-6, DPE-7, and DPE-8), and the GWCT.

Prior to each collection of groundwater samples, a complete round of water level measurements will be collected. Groundwater samples will be analyzed for VOCs using USEPA SW-846 Method 8260C. Quality assurance/quality control samples will include equipment blanks, trip blanks, and blind duplicate samples. Laboratory batch quality control will be included with the completed data package.

If the DPE system remains in operation, quarterly air samples from the AS unit and LRP vapor effluent sampling ports will be collected to ensure compliance with the NYSDEC exhaust mass-loading rate guidance of 0.5 lb/hr of VOCs. Quarterly vapor effluent air samples will be collected from the LRP when on-line to determine the mass of VOCs removed by the DPE system as a vapor. The samples will be analyzed for VOCs utilizing USEPA Method TO-15.

Quarterly aqueous samples from the discharge to the sanitary sewer will be collected as specified in the current BSA EC/BPDES discharge permit. If the AS unit is in operation, influent samples will be collected to determine the treatment efficiency of the AS unit. Effluent samples will be analyzed for VOCs, TEH, TSS, and pH as specified in the current permit. **Table 14** provides a summary of the proposed monitoring and compliance sampling activities during the next reporting period. In the event any effluent permit monitoring requirements change, notification of these changes will be given to the NYSDEC in a future quarterly groundwater monitoring summary report.

The next PRR (seventeenth comprehensive report since DPE system startup in May 2004) for the combined DPE remediation system will be prepared following the receipt of laboratory analytical results for the April 2022 comprehensive groundwater sampling event and will cover the period of April 2021 through April 2022.

6.0 Evaluate Remedy Performance, Effectiveness, and Protectiveness

6.1 Institutional Controls and Engineering Controls Certification

An IC/EC certification form was not distributed by NYSDEC for this reporting period; NYSDEC directed AECOM to update the June 5, 2020 IC/EC certification form for the current reporting period. AECOM verified that the institutional and engineering controls listed below are being implemented and are in compliance with the June 5, 2020 IC/EC certification form.

Institutional controls include:

1. Monitoring Plan
2. O&M Plan

Engineering controls include:

1. Groundwater Treatment System
2. Vapor Mitigation
3. Cover System
4. Groundwater Containment

As a component of the PRR requirement, **Appendix F** includes the completed IC/EC certification.

7.0 References

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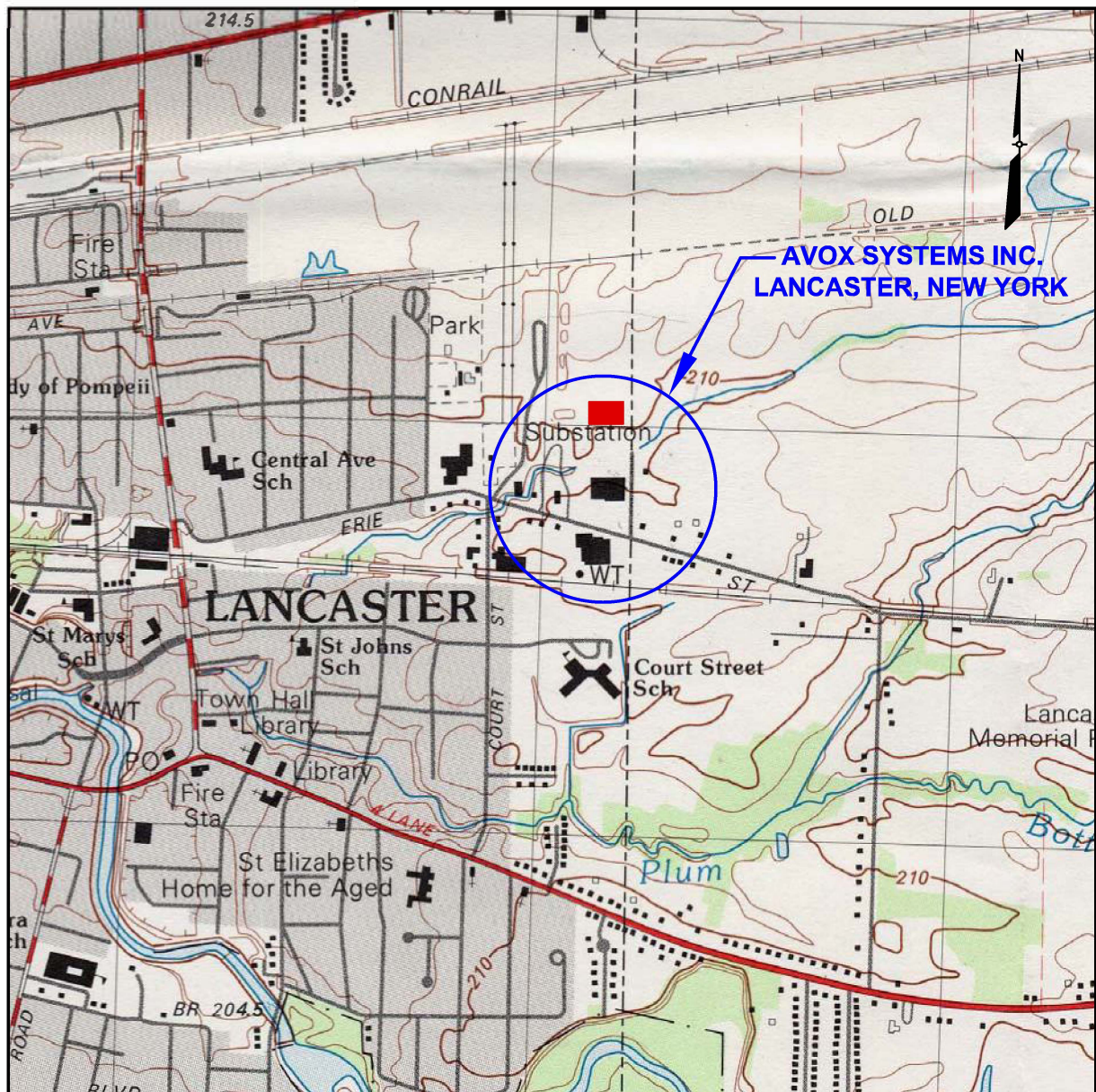
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O'Brien & Gere Engineers, Inc. July 1996. "Soil and Ground Water Remediation Project, Scott Aviation, Lancaster, New York".

USEPA. September 1998. "Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water", EPA/600/R-98/128, Office of Research and Development, Washington D.C.

Figures



SOURCE:
1982 GEOLOGIC SURVEY 7.5 X 15 MINUTE TOPOGRAPHIC QUADRANGLE
LANCASTER, NEW YORK

LEGEND

■ AVOX PLANT 3 ADDED AFTER PUBLICATION OF LANCASTER, NEW YORK
TOPOGRAPHIC QUADRANGLE.

0 1000 2000
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AECOM

FIGURE 1
SITE LOCATION MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

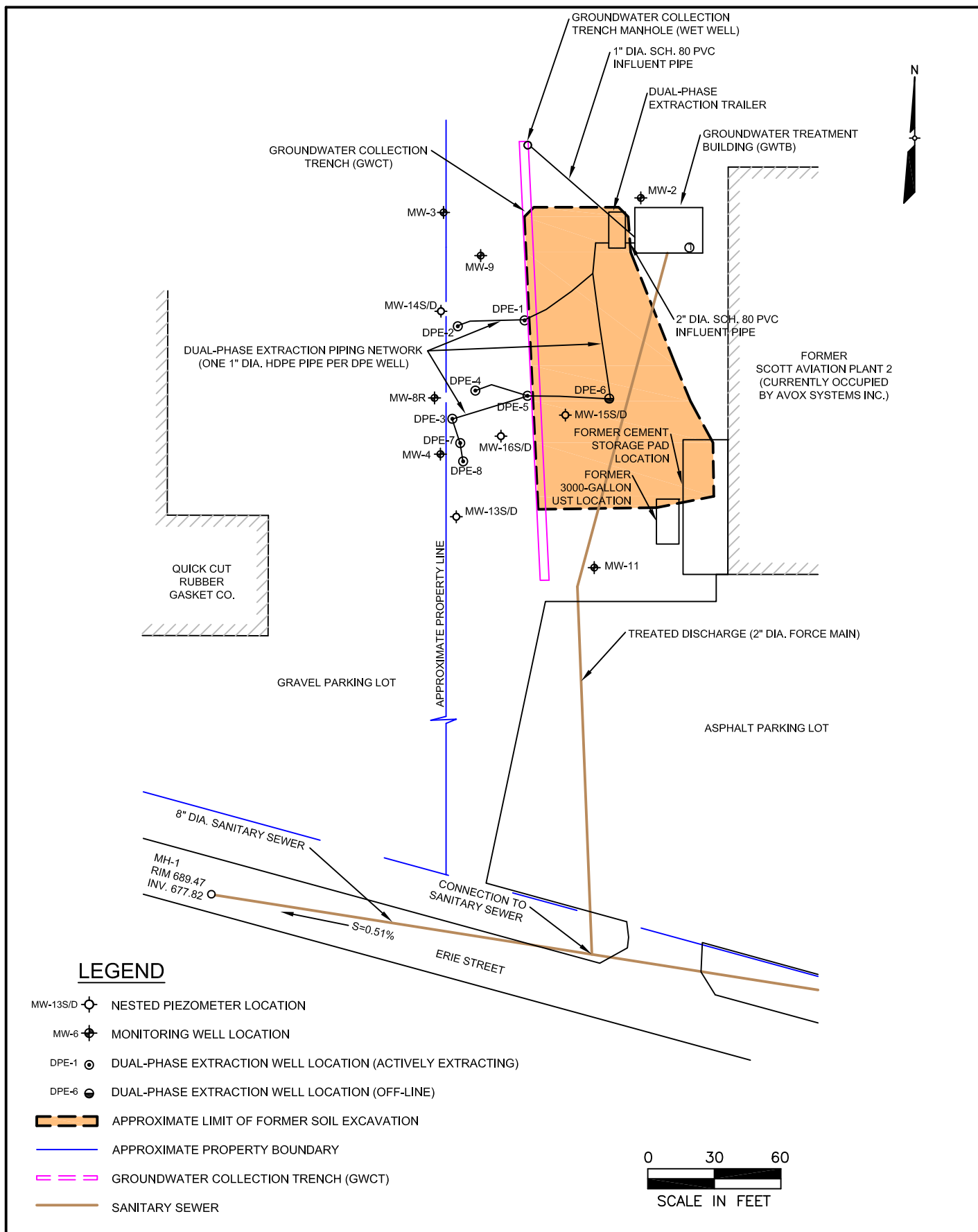
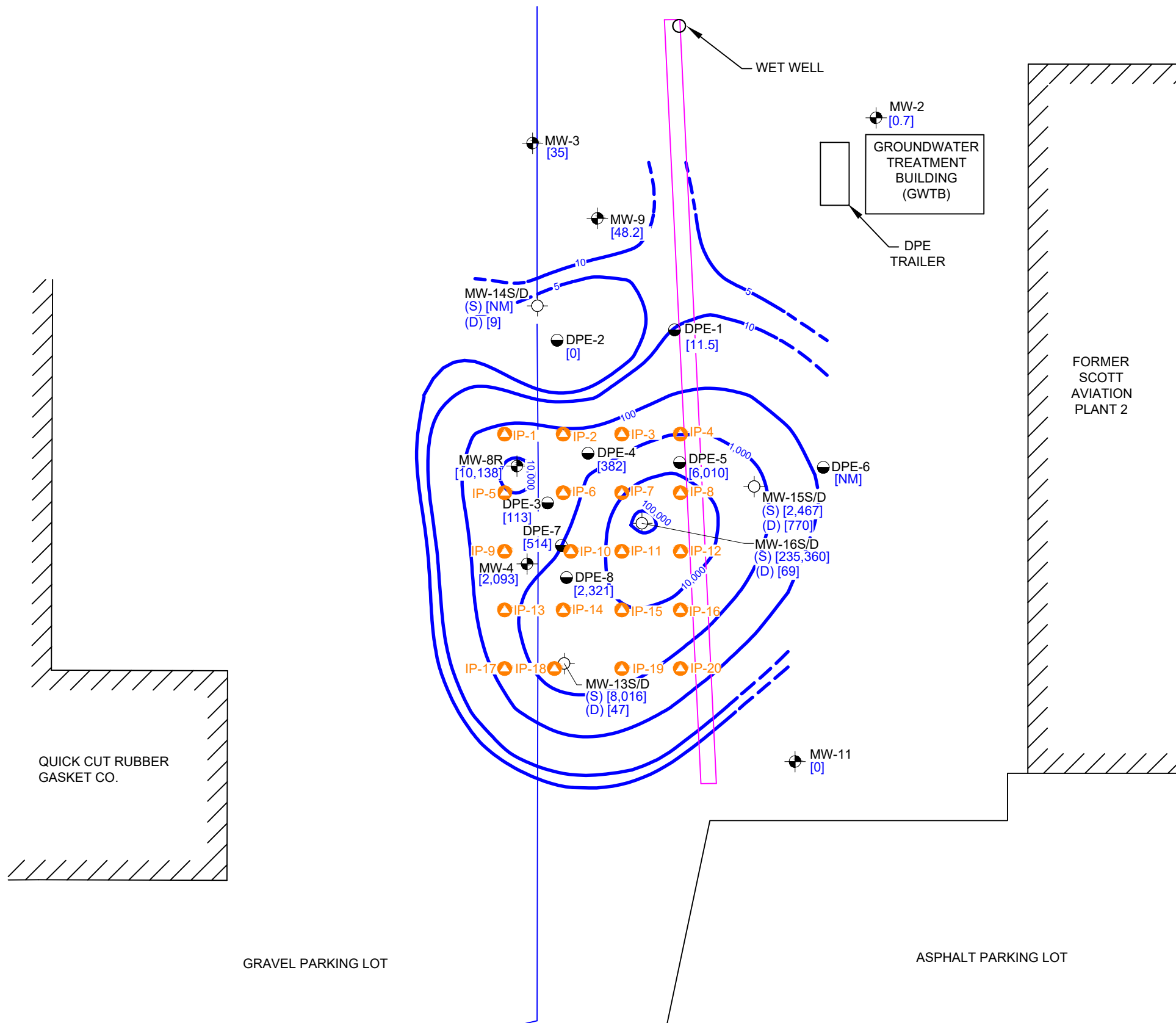


FIGURE 2
SITE FEATURES MAP

FORMER SCOTT AVIATION FACILITY
 LANCASTER, NEW YORK



LEGEND

- IP-1 INJECTION LOCATION
- MW-13S/D NESTED PIEZOMETER LOCATION
- MW-9 MONITORING WELL LOCATION
- DPE-6 DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [69] TOTAL VOC CONCENTRATION (µg/L) (April 2018)
- 10 TOTAL VOC CONTOUR (April 2018) (DASHED WHERE INFERRED)
- (S) SHALLOW PIEZOMETER
- (D) DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY
- NM NOT MEASURED

NOTE

- TOTAL VOC FROM THE SHALLOW PIEZOMETER PAIR LOCATIONS (i.e. MW-13S, MW-15S, MW-16S) WERE USED TO CREATE THE TOTAL VOC CONTOURS.

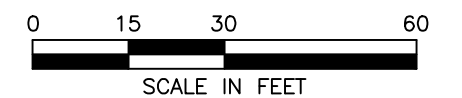
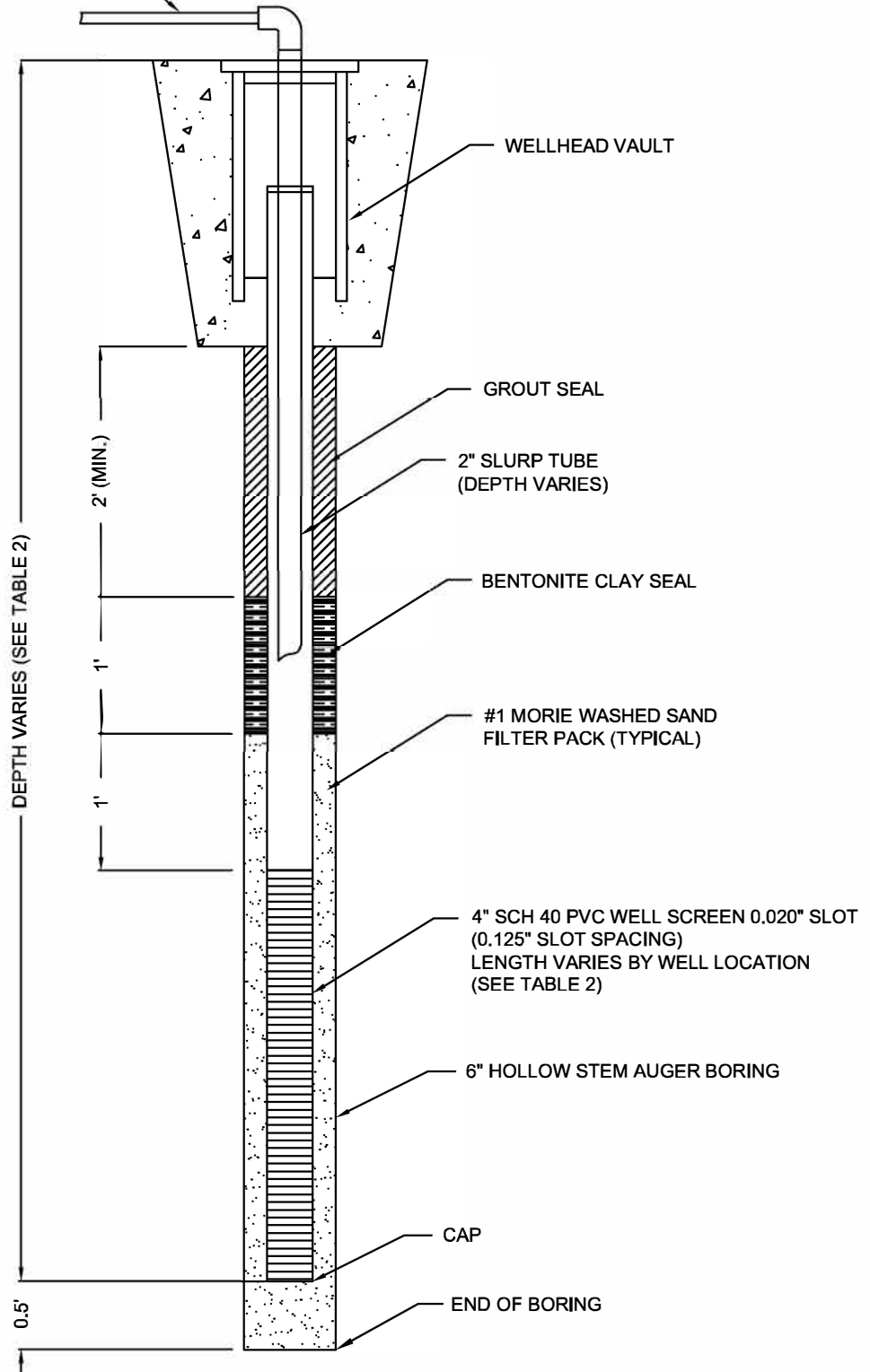


FIGURE 4
NOVEMBER 2018 INJECTION POINTS

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

1" HDPE PIPE
TO DPE SYSTEM



AECOM

FIGURE 5
TYPICAL DUAL PHASE EXTRACTION RECOVERY
WELL CONSTRUCTION DIAGRAM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

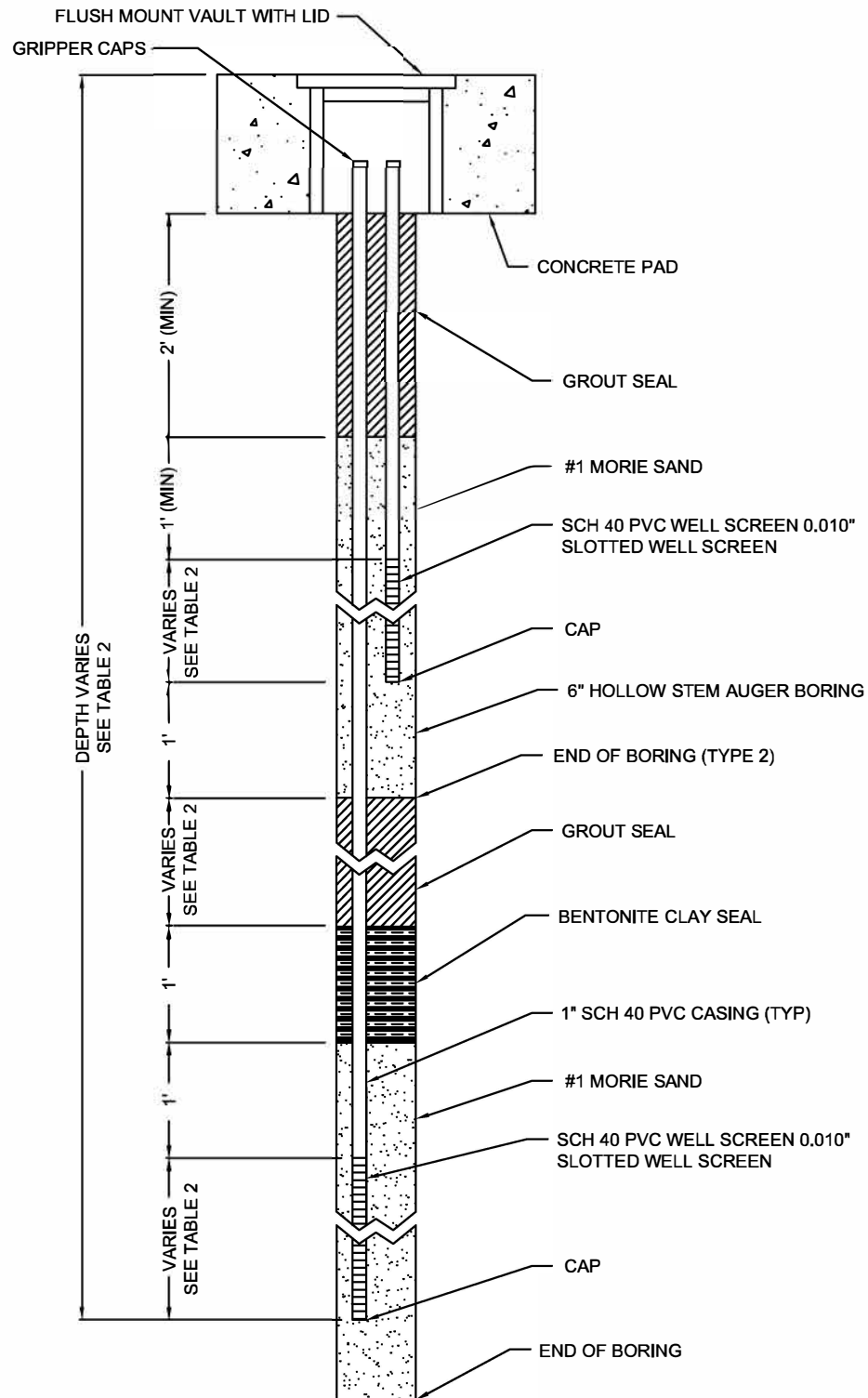
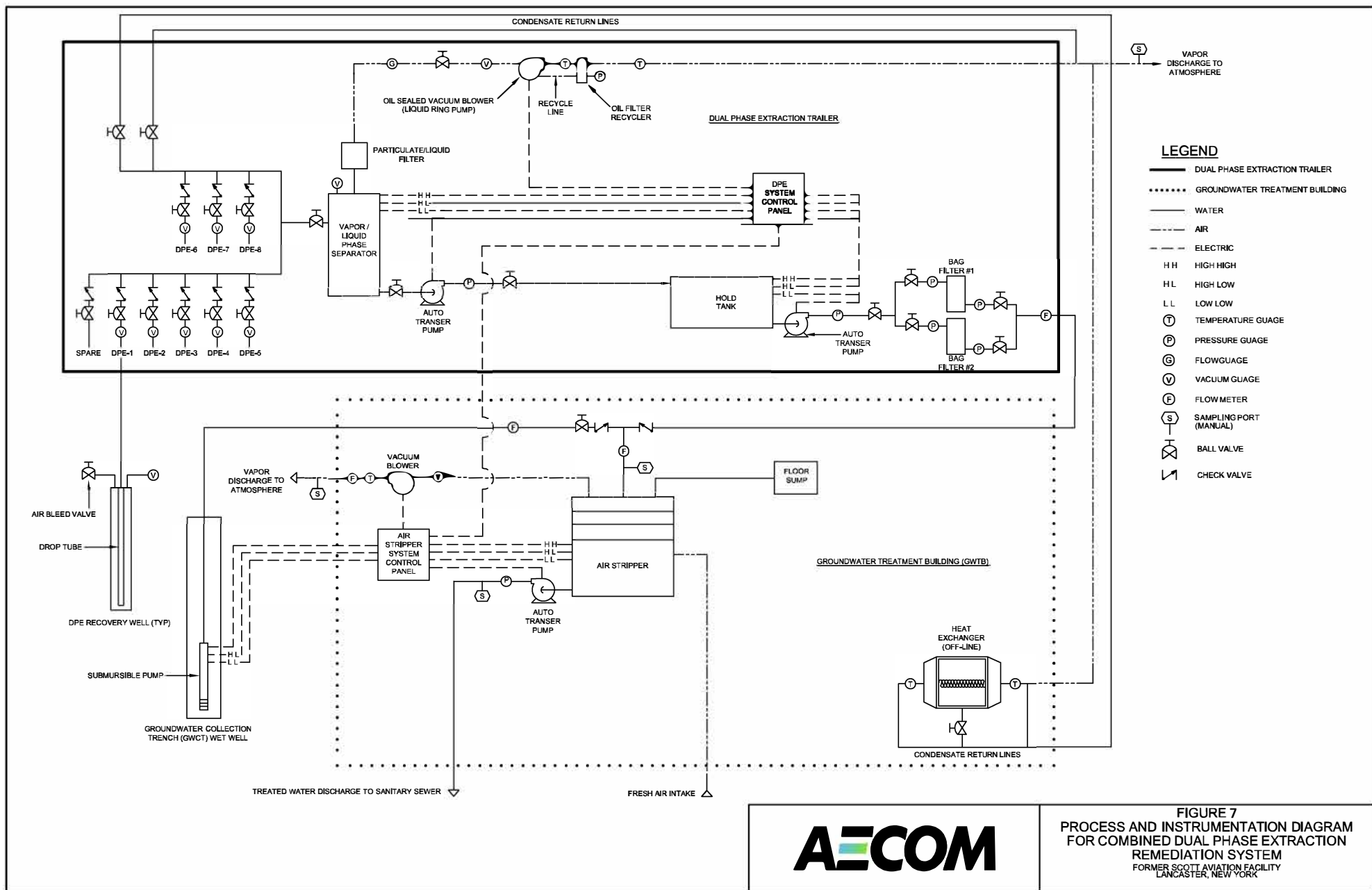


FIGURE 6
TYPICAL NESTED PIEZOMETER
CONSTRUCTION DIAGRAM

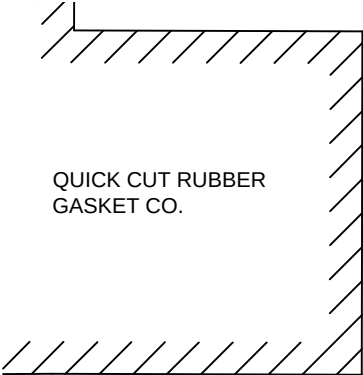
FORMER SCOTT AVIATION FACILITY
 LANCASTER, NEW YORK



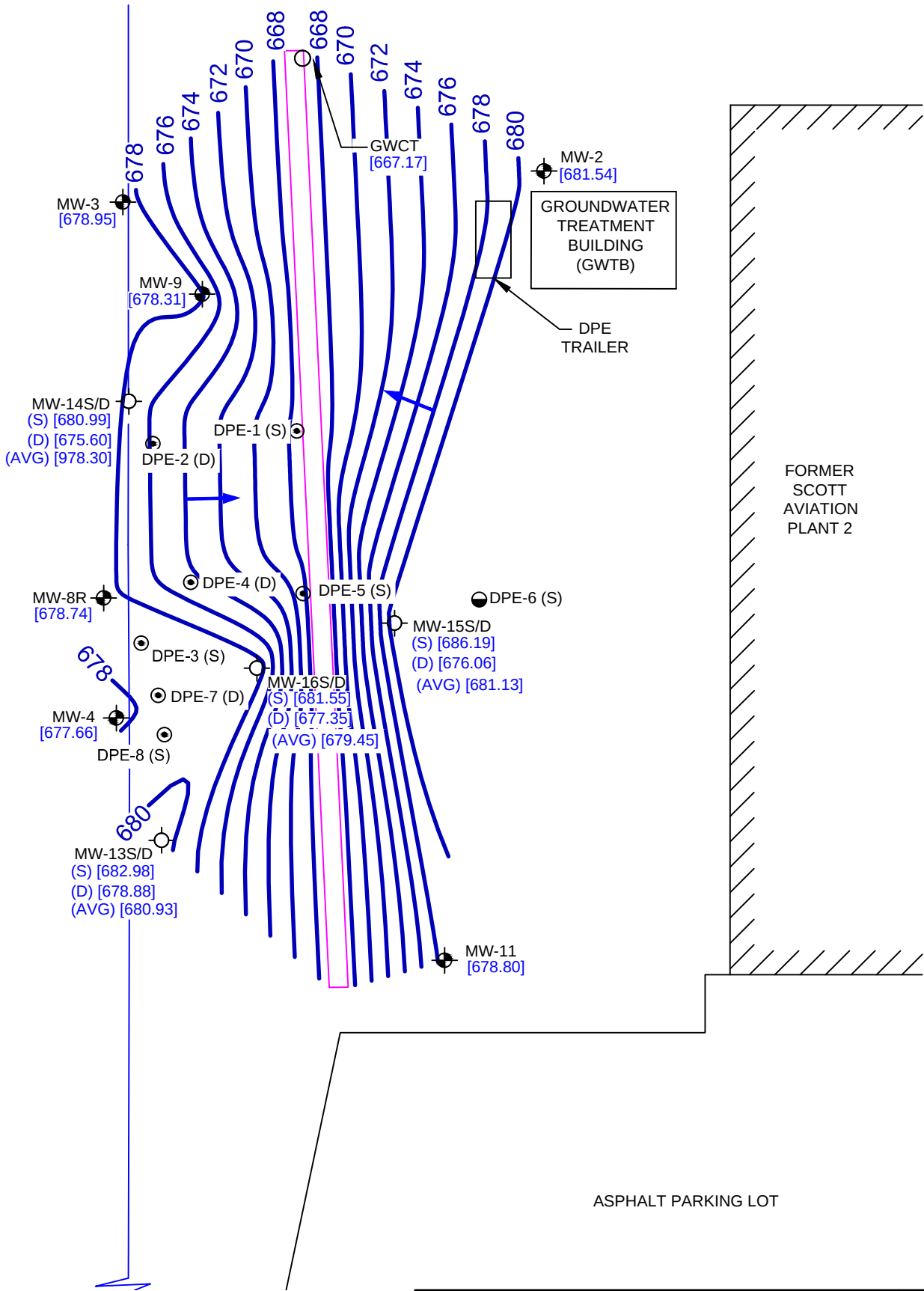
Groundwater Monitoring Water Level Data - April 6, 2021
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.10	5.56	681.54
MW-3	687.05	8.10	678.95
MW-4	686.50	8.84	677.66
MW-8R	686.29	7.55	678.74
MW-9	689.57	11.26	678.31
MW-11	688.61	9.81	678.80
Nested Piezometers			
MW-13S	686.65	3.67	682.98
MW-13D	686.78	7.90	678.88
MW-14S	685.74	4.75	680.99
MW-14D	685.88	10.28	675.60
MW-15S	687.17	0.98	686.19
MW-15D	687.37	11.31	676.06
MW-16S	688.15	6.60	681.55
MW-16D	688.16	10.81	677.35
Remedial System			
GWCT Manhole (rim)	687.22	20.05	667.17

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level
GWCT - Groundwater Collection Trench
GWCT is 200 feet long with a 0.01 foot/foot slope to the manhole
Locations re-surveyed on February 23, 2016



GRAVEL PARKING LOT

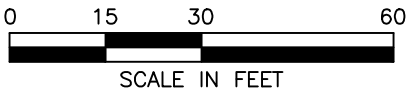


LEGEND

- MW-13S/D NESTED PIEZOMETER LOCATION
- MW-9 MONITORING WELL LOCATION
- DPE-6 DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- DPE-1 DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- [678.80] GROUNDWATER SURFACE ELEVATION IN FEET AMSL
- 678 ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET AMSL
- GROUNDWATER FLOW DIRECTION
- (S) SHALLOW PIEZOMETER/DPE
- (D) DEEP PIEZOMETER/DPE
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY

NOTES

- GROUNDWATER ELEVATIONS WERE AVERAGED AT SHALLOW AND DEEP PIEZOMETER PAIR LOCATIONS (e.g. MW-15S/D) TO COMPARE TO ELEVATIONS MEASURED IN WELLS SCREENED ACROSS THE ENTIRE OVERBURDEN THICKNESS.
- GROUNDWATER WATER LEVELS WERE COLLECTED ON APRIL 6, 2021.



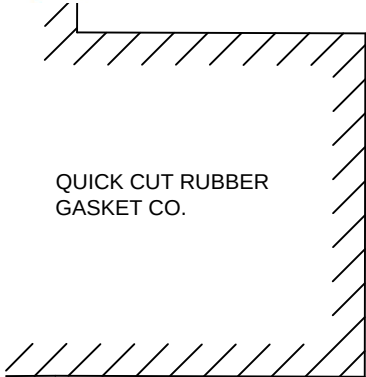
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FIGURE 8
AVERAGE OVERBURDEN GROUNDWATER ELEVATIONS
APRIL 2021
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

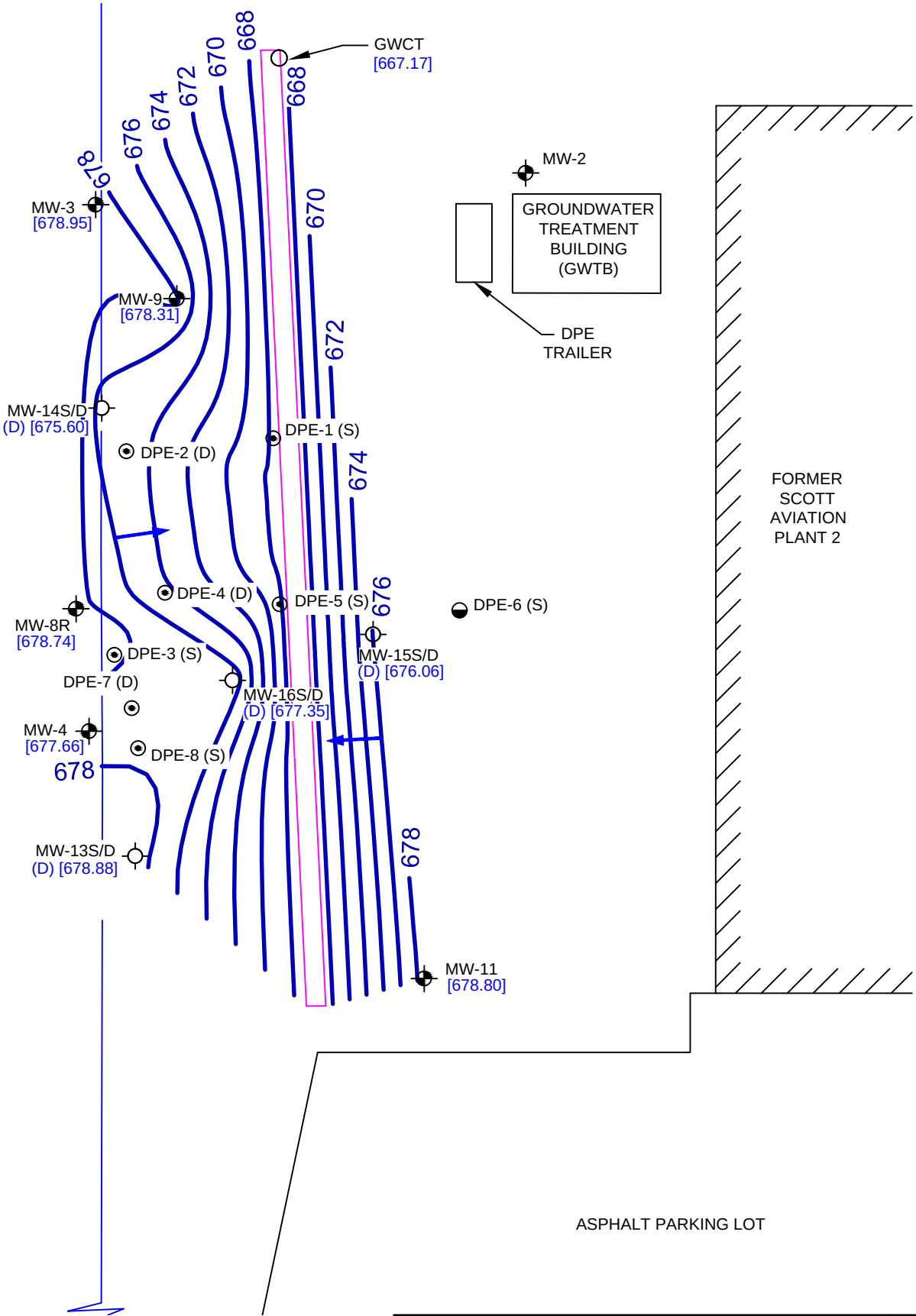
Groundwater Monitoring Water Level Data - April 6, 2021
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.10	5.56	681.54
MW-3	687.05	8.10	678.95
MW-4	686.50	8.84	677.66
MW-8R	686.29	7.55	678.74
MW-9	689.57	11.26	678.31
MW-11	688.61	9.81	678.80
Nested Piezometers			
MW-13S	686.65	3.67	682.98
MW-13D	686.78	7.90	678.88
MW-14S	685.74	4.75	680.99
MW-14D	685.88	10.28	675.60
MW-15S	687.17	0.98	686.19
MW-15D	687.37	11.31	676.06
MW-16S	688.15	6.60	681.55
MW-16D	688.16	10.81	677.35
Remedial System			
GWCT Manhole (rim)	687.22	20.05	667.17

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level
GWCT - Groundwater Collection Trench
GWCT is 200 feet long with a 0.01 foot/foot slope to the manhole
Locations re-surveyed on February 23, 2016



GRAVEL PARKING LOT



LEGEND

- MW-13S/D NESTED PIEZOMETER LOCATION
- MW-9 MONITORING WELL LOCATION
- DPE-6 DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- DPE-1 DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- [678.80] GROUNDWATER SURFACE ELEVATION IN FEET AMSL
- 678 ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET AMSL
- GROUNDWATER FLOW DIRECTION
- (S) SHALLOW PIEZOMETER/DPE
- (D) DEEP PIEZOMETER/DPE
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY

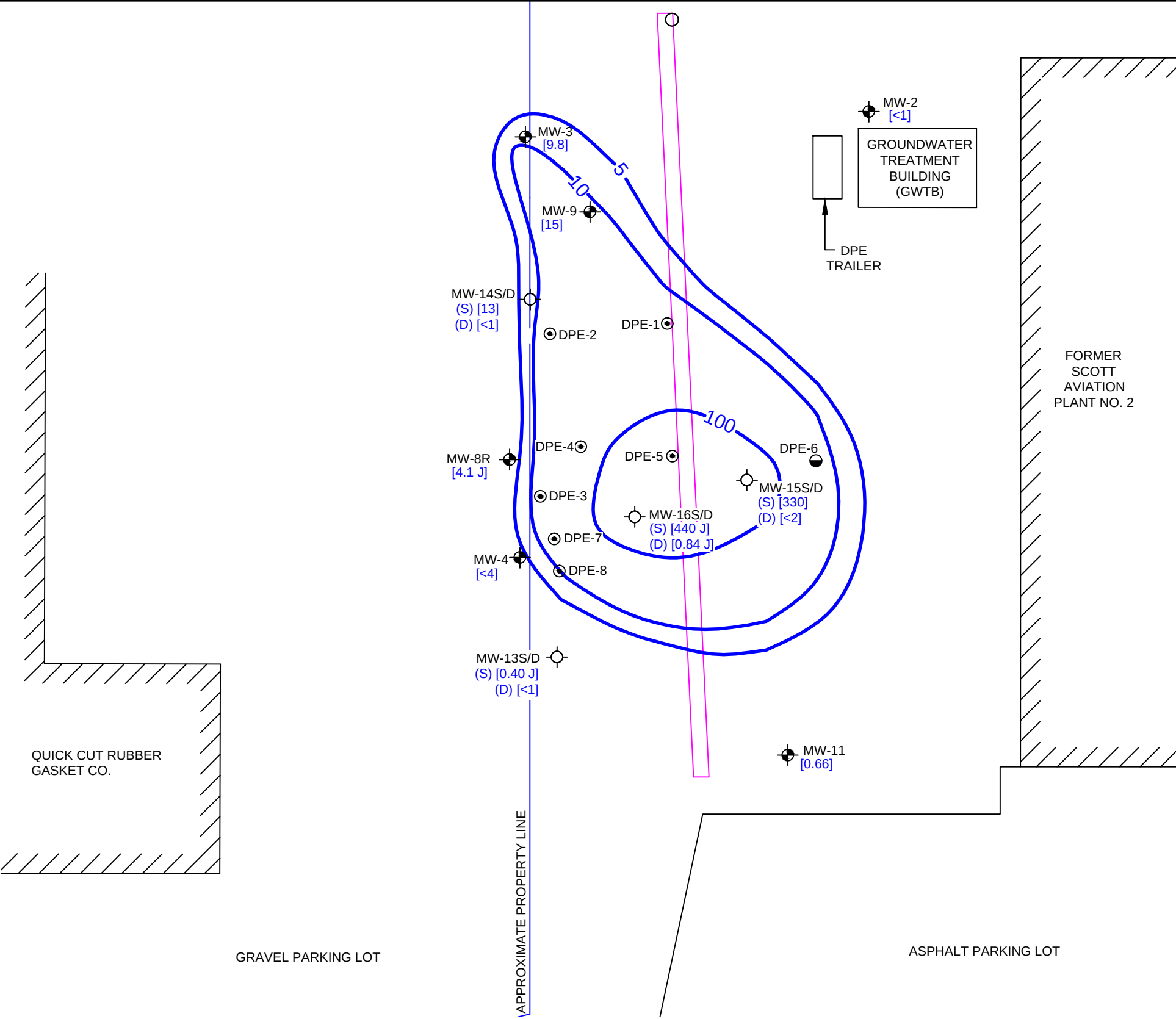
NOTE

- GROUNDWATER WATER LEVELS WERE COLLECTED ON APRIL 6, 2021.



FIGURE 9
DEEP OVERBURDEN GROUNDWATER ELEVATIONS
APRIL 2021

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



LEGEND

MW-9

MW-13S/D

DPE-6

DPE-1

[0.66]

10

5

<

(S)

(D)

J

MONITORING WELL LOCATION

NESTED PIEZOMETER LOCATION

DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)

DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)

1,1-DICHLOROETHANE CONCENTRATION (µg/L)

1,1-DICHLOROETHANE ISOCONCENTRATION CONTOUR (µg/L) (DASHED WHERE INFERRED)

REMEDIAL ACTION OBJECTIVE FOR 1,1-DICHLOROETHANE (µg/L)

BELOW REPORTING LIMIT

SHALLOW PIEZOMETER

DEEP PIEZOMETER

GROUNDWATER COLLECTION TRENCH (GWCT)

APPROXIMATE PROPERTY BOUNDARY

RESULT IS LESS THAN THE RL BUT GREATER THAN OR EQUAL TO THE MDL AND THE CONCENTRATION IS AN APPROXIMATE VALUE

NOTE

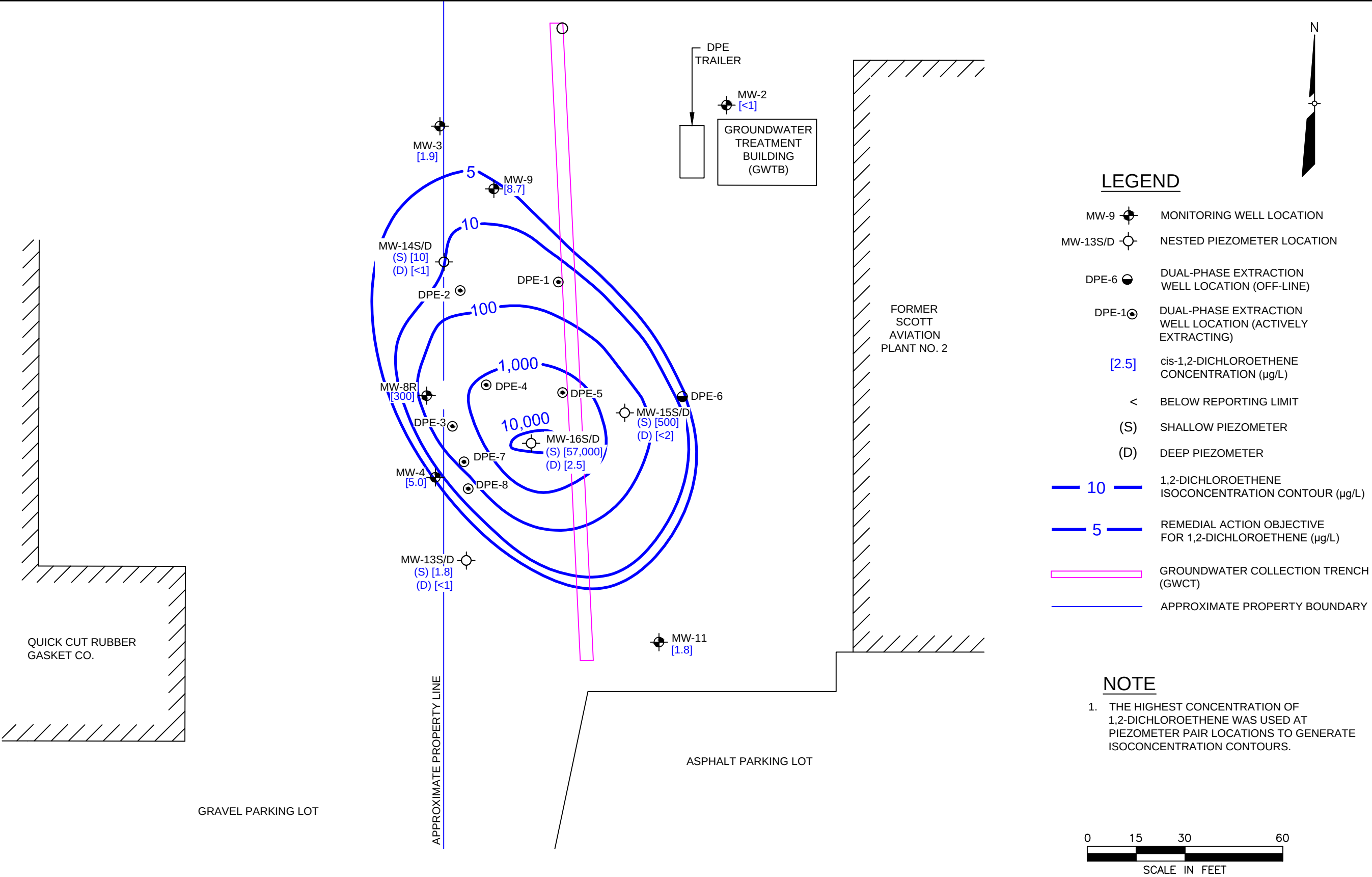
1. THE HIGHEST CONCENTRATION OF 1,1-DICHLOROETHANE WAS USED AT PIEZOMETER PAIR LOCATIONS TO GENERATE ISOCONCENTRATION CONTOURS.

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FIGURE 10
1,1-DICHLOROETHANE IN GROUNDWATER
ISOCONCENTRATION CONTOUR MAP
APRIL 2021
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



LEGEND

- MW-9  MONITORING WELL LOCATION
- MW-13S/D  NESTED PIEZOMETER LOCATION
- DPE-6  DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- DPE-1  DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- [2.5] cis-1,2-DICHLOROETHENE CONCENTRATION (µg/L)
- < BELOW REPORTING LIMIT
- (S) SHALLOW PIEZOMETER
- (D) DEEP PIEZOMETER
- 10 1,2-DICHLOROETHENE ISOCONCENTRATION CONTOUR (µg/L)
- 5 REMEDIAL ACTION OBJECTIVE FOR 1,2-DICHLOROETHENE (µg/L)
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY

NOTE

1. THE HIGHEST CONCENTRATION OF 1,2-DICHLOROETHENE WAS USED AT PIEZOMETER PAIR LOCATIONS TO GENERATE ISOCONCENTRATION CONTOURS.



FIGURE 11
cis-1,2-DICHLOROETHENE IN GROUNDWATER
ISOCONCENTRATION CONTOUR MAP
APRIL 2021
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

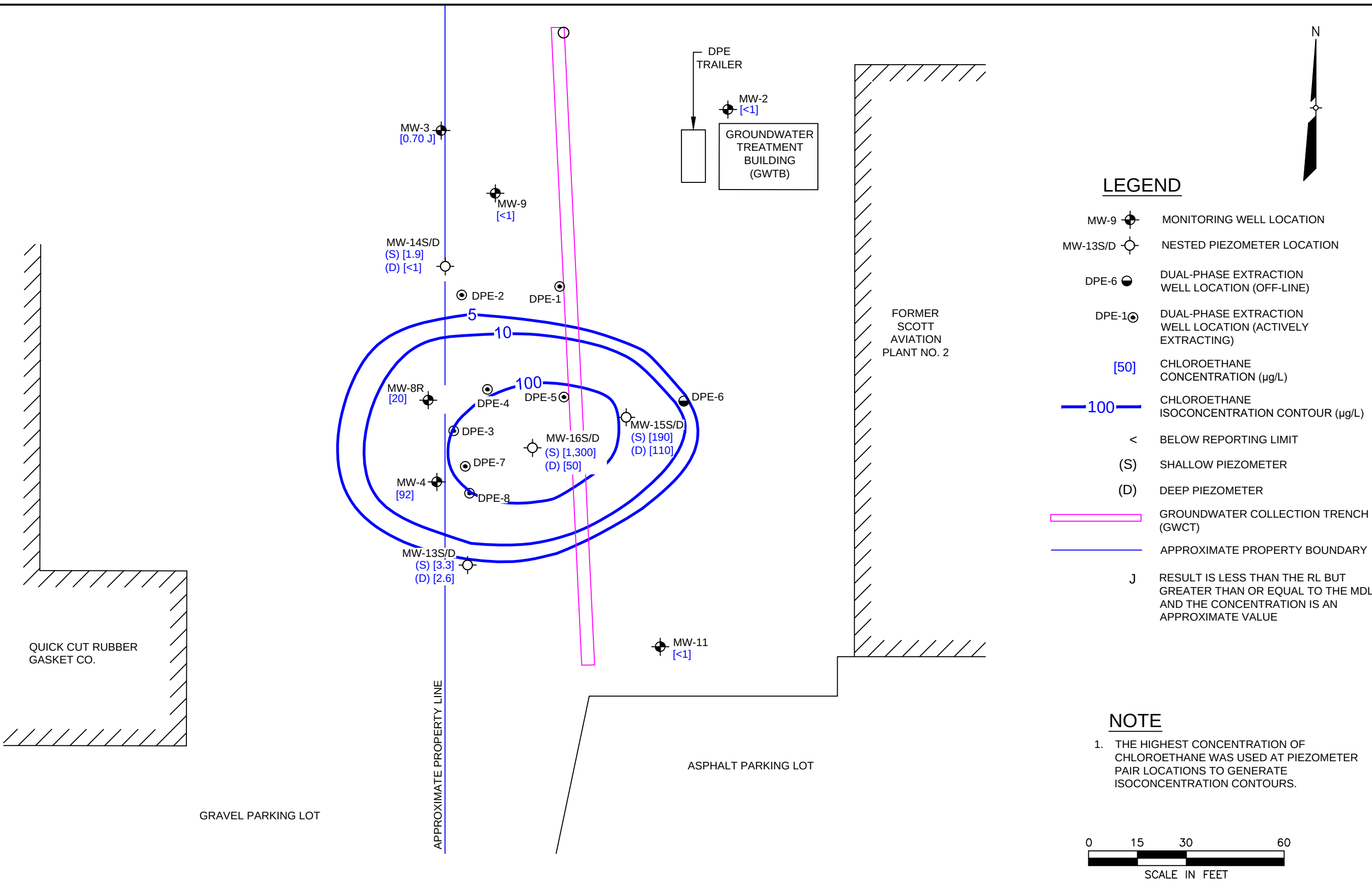
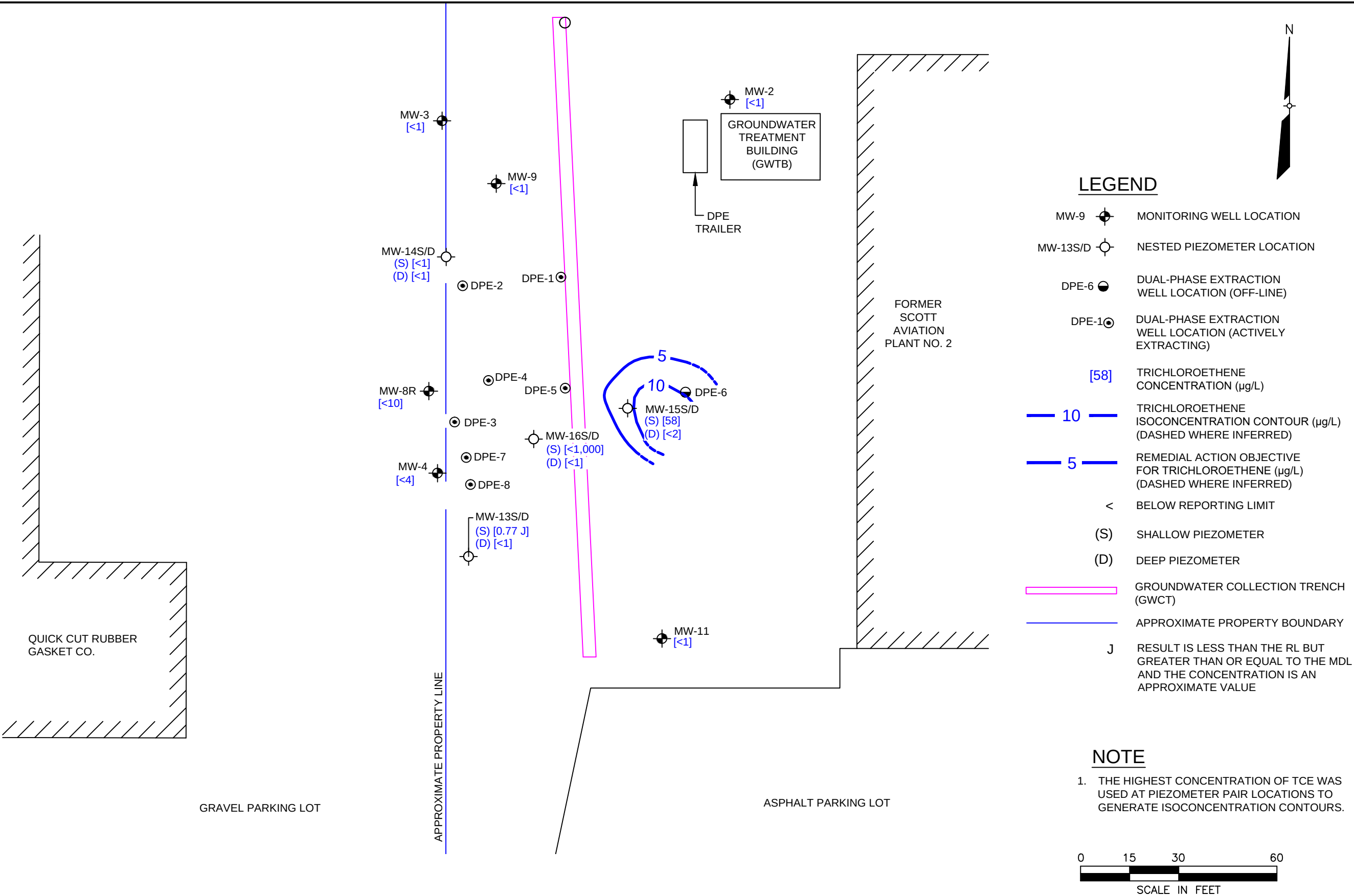


FIGURE 12
CHLOROETHANE IN GROUNDWATER
ISOCONCENTRATION CONTOUR MAP
APRIL 2021
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



AECOM

FIGURE 13
TRICHLOROETHENE IIN GROUNDWATER
SOCONCENTRATION CONTOUR MAP
APRIL 2021
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

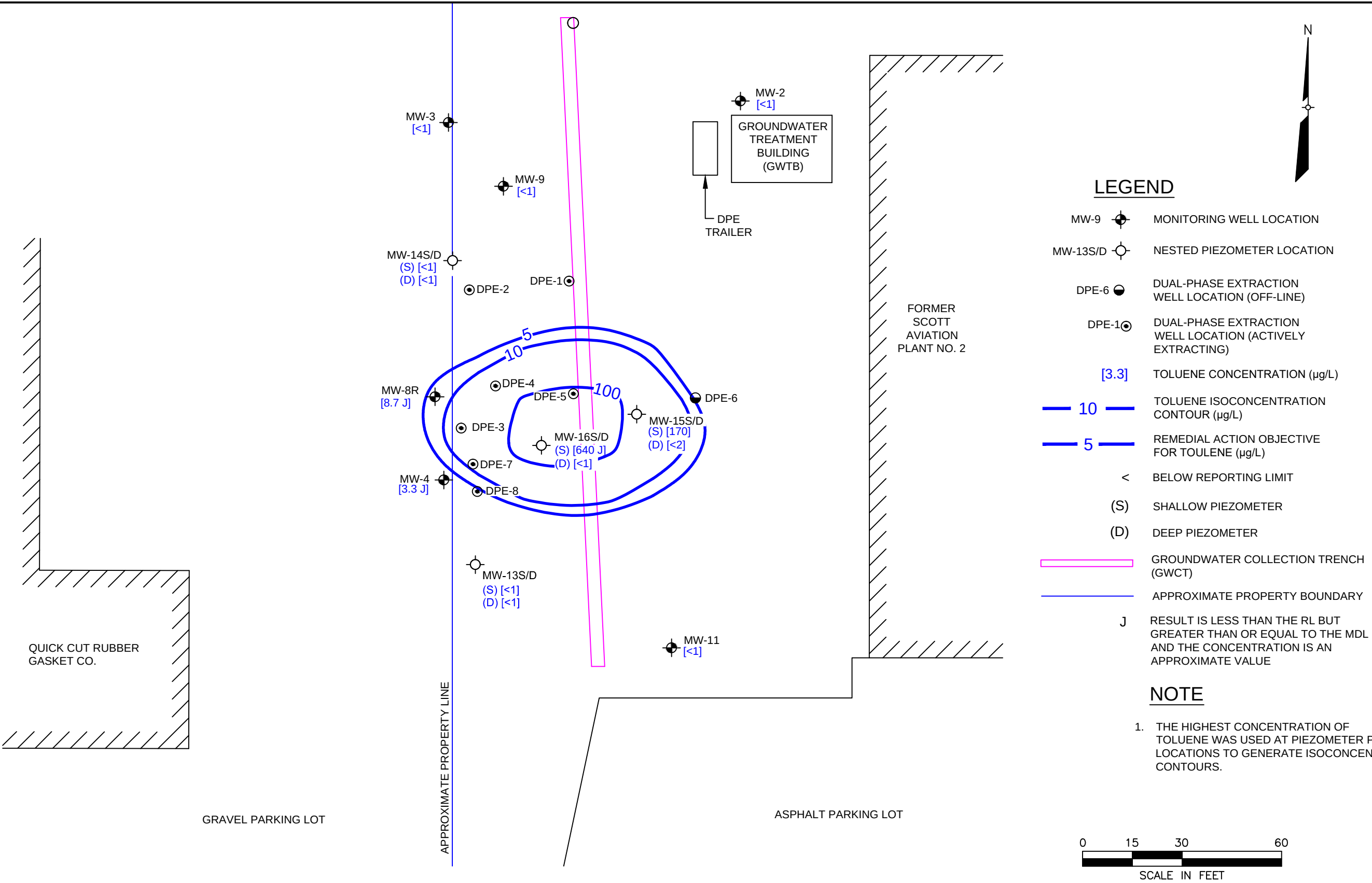
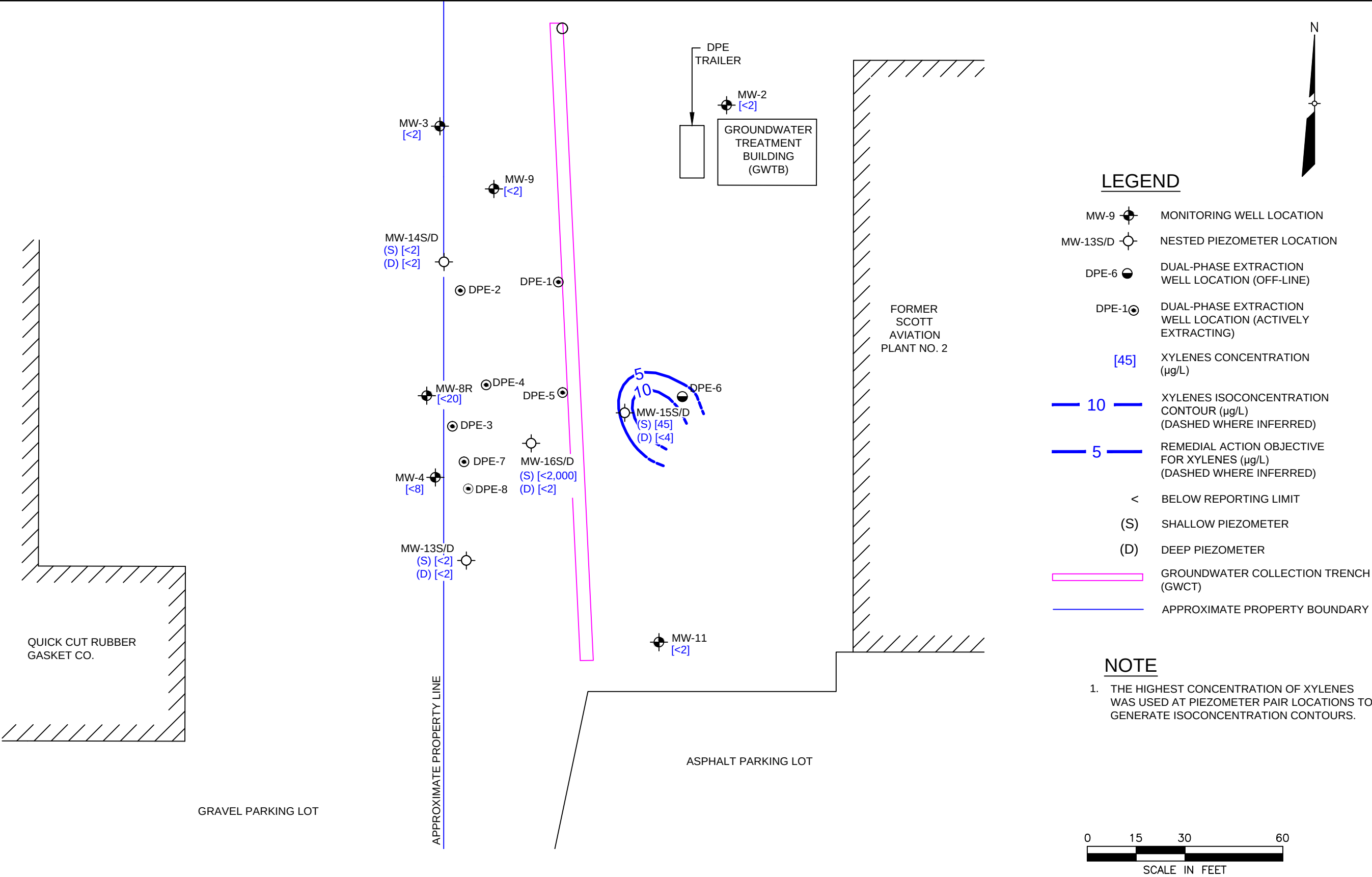


FIGURE 14
TOLUENE IN GROUNDWATER
ISOCONCENTRATION CONTOUR MAP
APRIL 2021
FORMER SCOTT AVIATION FACILITY LANCASTER, NEW YORK



LEGEND

- MW-9 MONITORING WELL LOCATION
- MW-13S/D NESTED PIEZOMETER LOCATION
- DPE-6 DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- DPE-1 DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- [45] XYLENES CONCENTRATION (µg/L)
- 10 XYLENES ISOCONCENTRATION CONTOUR (µg/L) (DASHED WHERE INFERRED)
- 5 REMEDIAL ACTION OBJECTIVE FOR XYLENES (µg/L) (DASHED WHERE INFERRED)
- < BELOW REPORTING LIMIT
- (S) SHALLOW PIEZOMETER
- (D) DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY LINE

NOTE

- THE HIGHEST CONCENTRATION OF XYLENES WAS USED AT PIEZOMETER PAIR LOCATIONS TO GENERATE ISOCONCENTRATION CONTOURS.



FIGURE 15
XYLENES IN GROUNDWATER
ISOCONCENTRATION CONTOUR MAP
APRIL 2021
FORMER SCOTT AVIATION FACILITY LANCASTER, NEW YORK

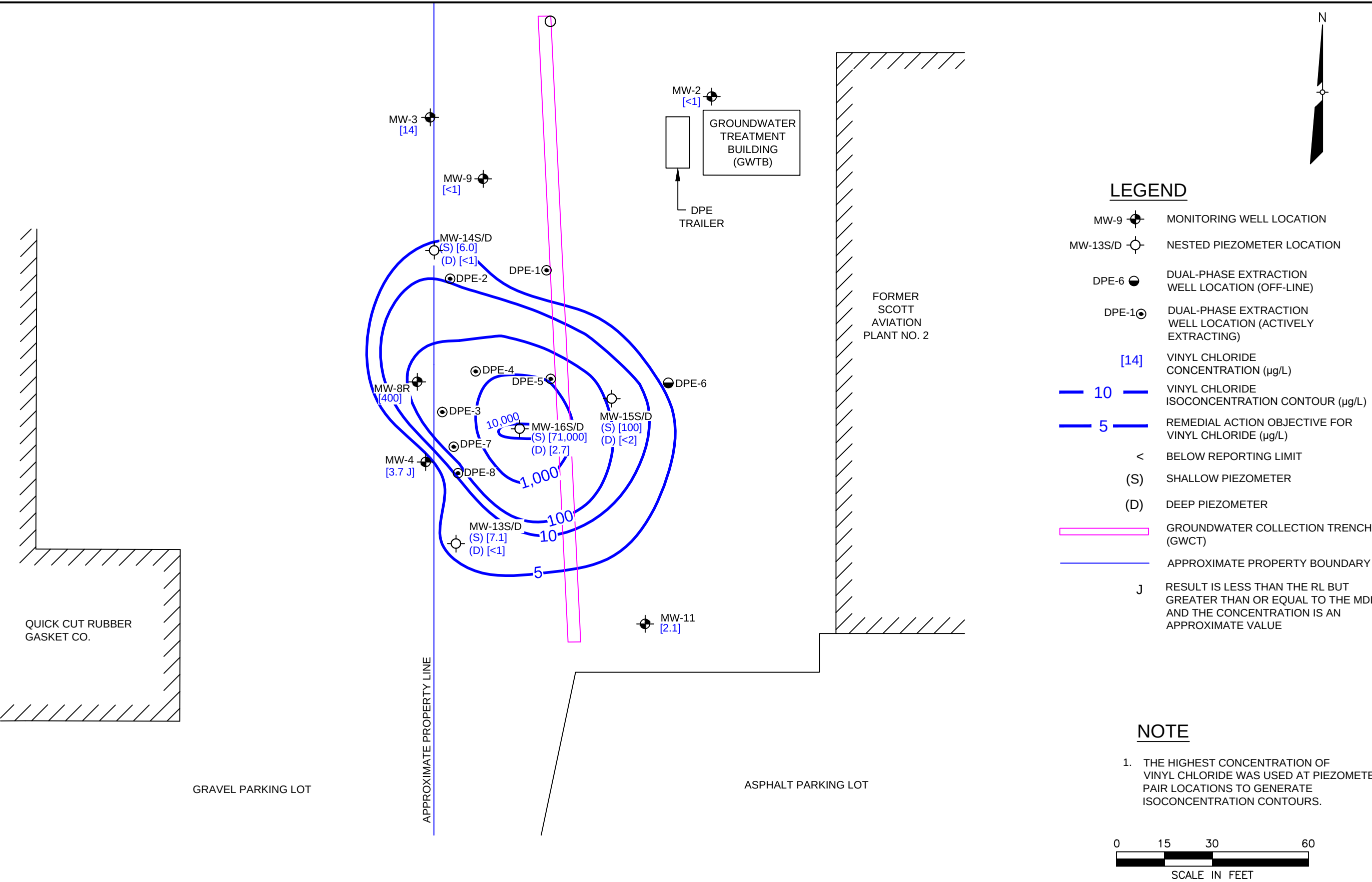
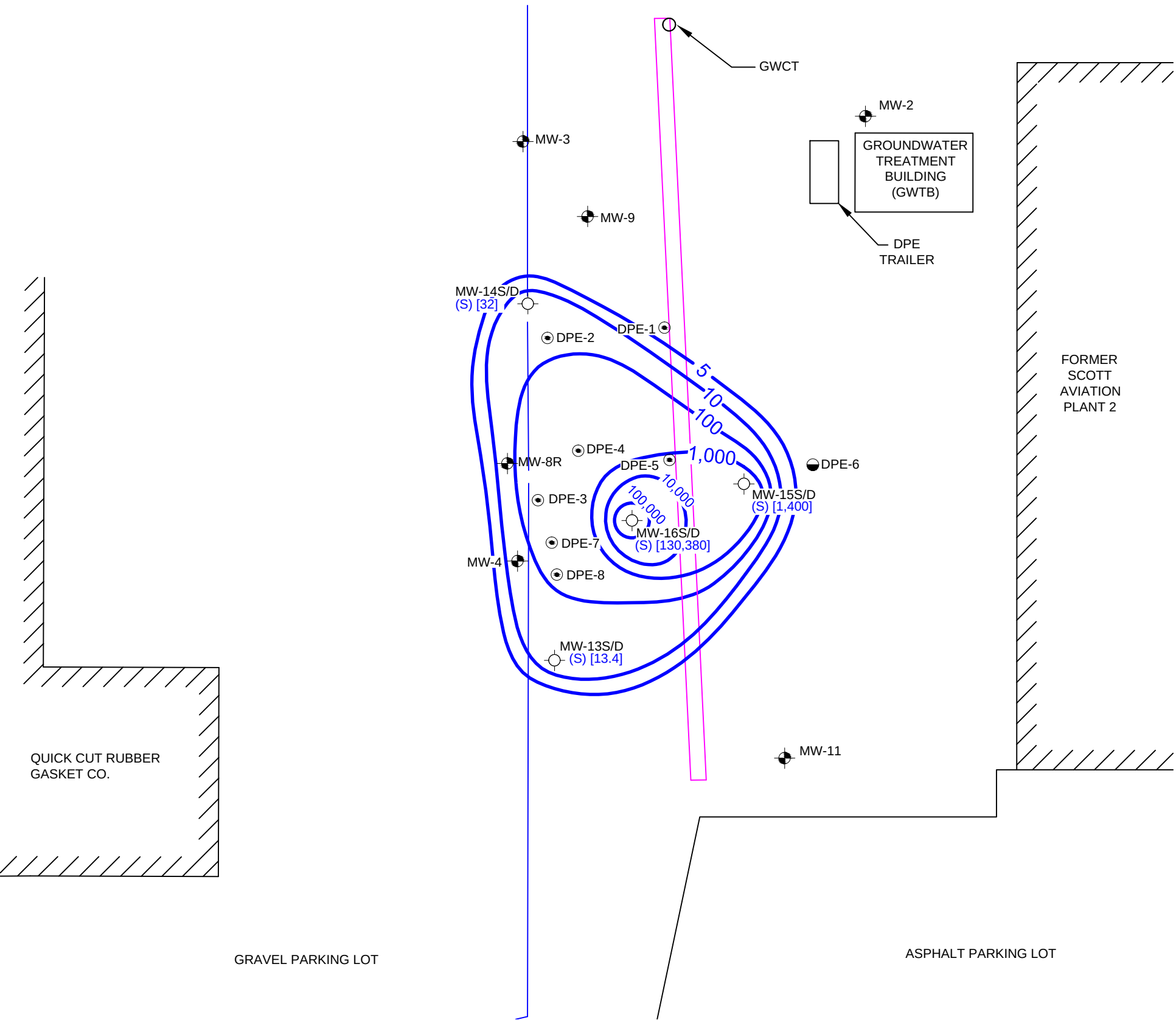


FIGURE 16
VINYL CHLORIDE IN GROUNDWATER
ISOCONCENTRATION CONTOUR MAP
APRIL 2021
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



LEGEND

MW-13S/D

NESTED PIEZOMETER LOCATION

MW-9

MONITORING WELL LOCATION

DPE-6

DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)

DPE-1

DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)

[13.4]

TOTAL VOC CONCENTRATION (µg/L)

10

TOTAL VOC CONTOUR

(S)

SHALLOW PIEZOMETER

(D)

DEEP PIEZOMETER

GROUNDWATER COLLECTION TRENCH (GWCT)

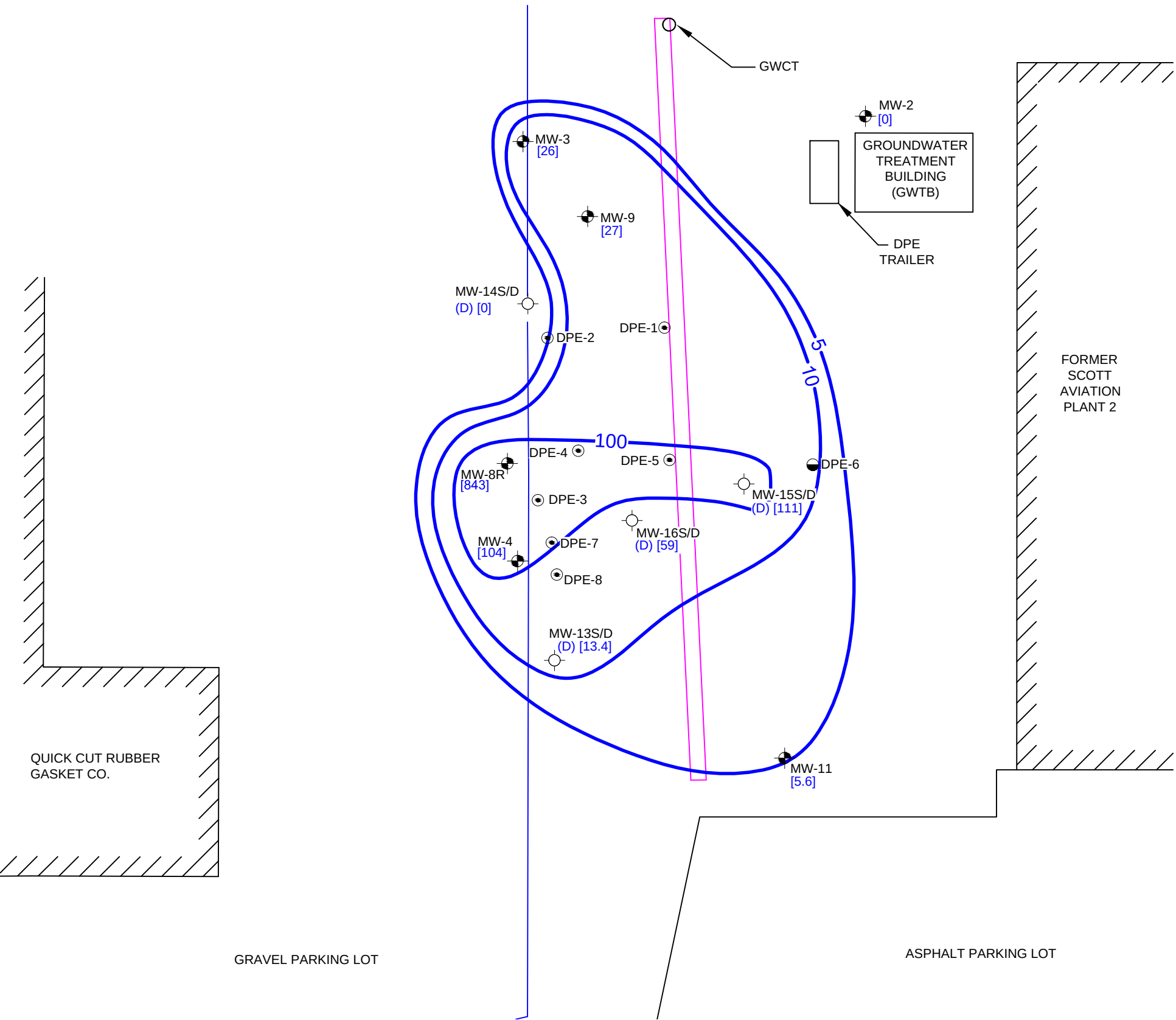
APPROXIMATE PROPERTY BOUNDARY

NOTE

1. TOTAL VOC FROM THE SHALLOW PIEZOMETER PAIR LOCATIONS (i.e. MW-13S, MW-15S, MW-16S) WERE USED TO CREATE THE TOTAL VOC CONTOURS.



FIGURE 17
SHALLOW OVERBURDEN TOTAL VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER ISOCONCENTRATION CONTOUR MAP - APRIL 2021
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



LEGEND

MW-13S/D	○	NESTED PIEZOMETER LOCATION
MW-9	●	MONITORING WELL LOCATION
DPE-6	●	DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
DPE-1	⊙	DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
[3]		TOTAL VOC CONCENTRATION (µg/L)
10	—	TOTAL VOC CONTOUR
(S)		SHALLOW PIEZOMETER
(D)		DEEP PIEZOMETER
	—	GROUNDWATER COLLECTION TRENCH (GWCT)
	—	APPROXIMATE PROPERTY BOUNDARY

NOTE

1. TOTAL VOC FROM THE DEEP PIEZOMETER PAIR LOCATIONS (i.e. MW-13S, MW-15S, MW-16S) WERE USED TO CREATE THE TOTAL VOC CONTOURS.

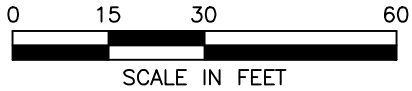
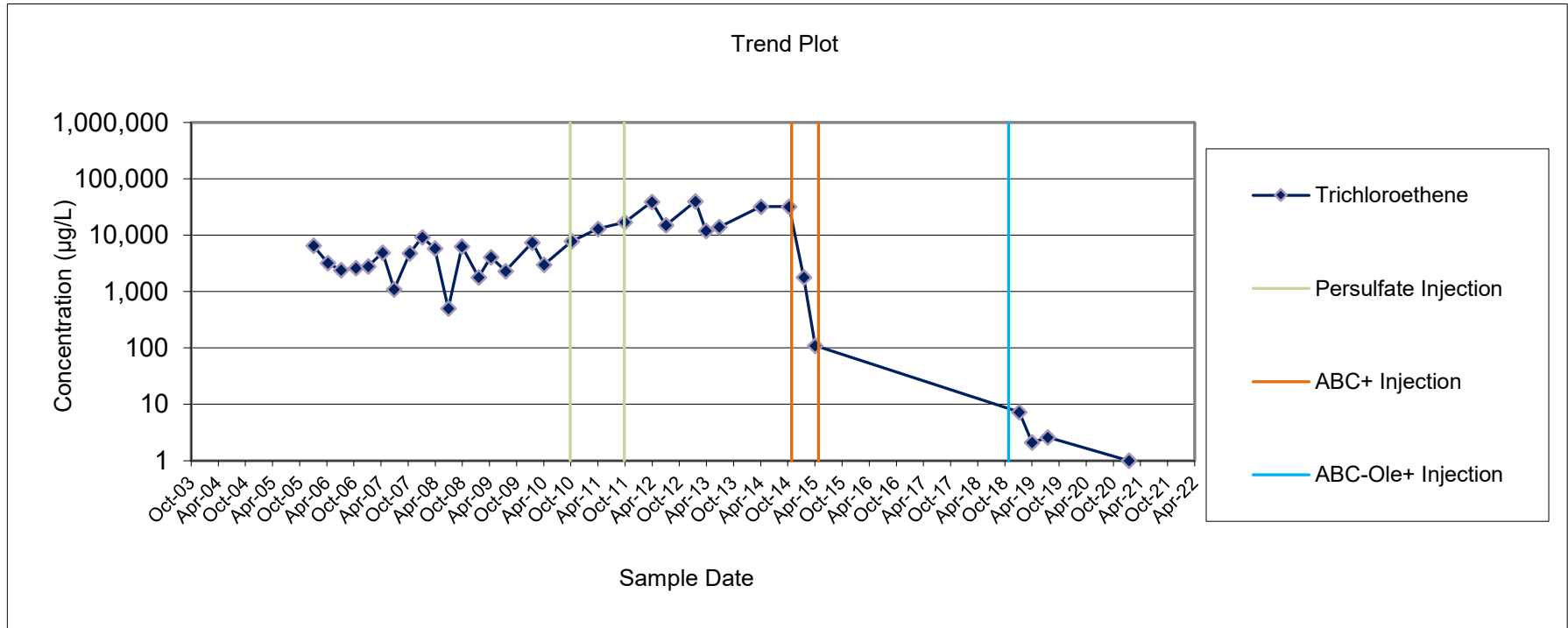


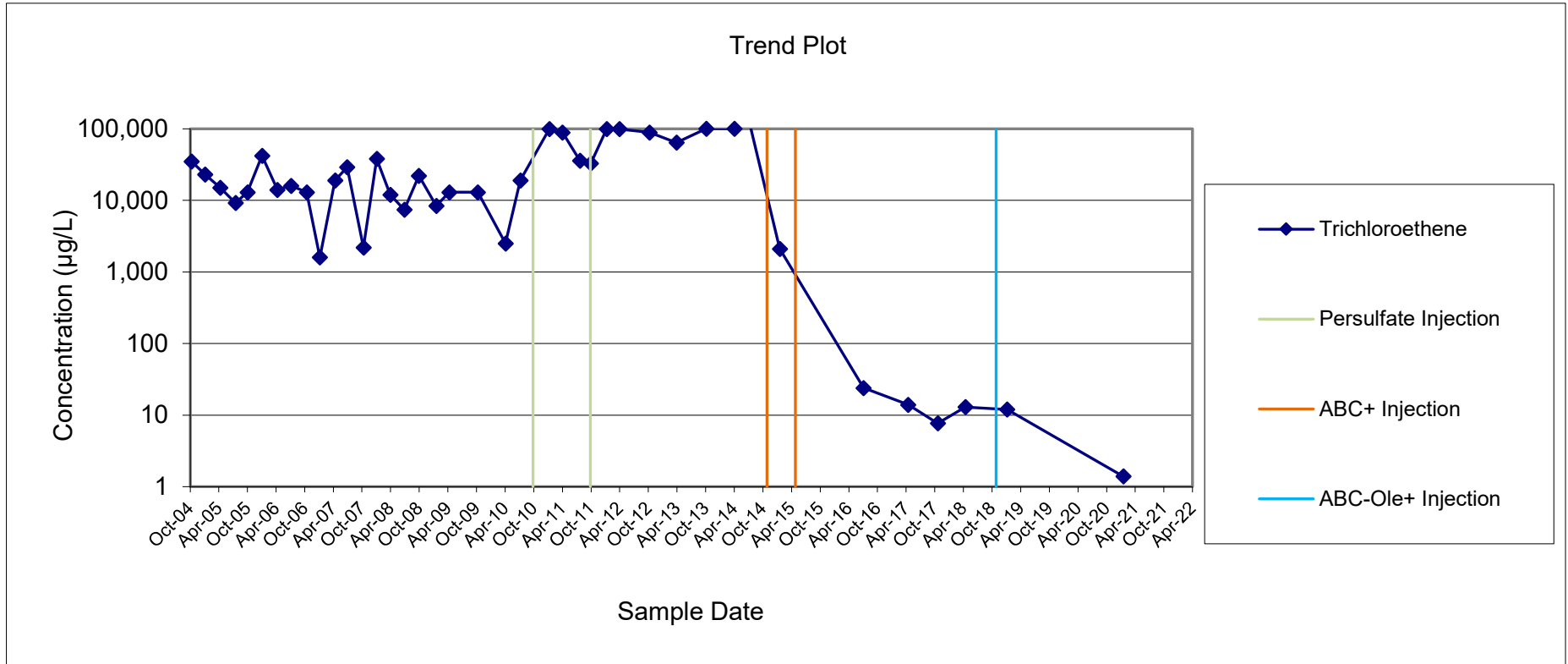
FIGURE 18
DEEP OVERBURDEN TOTAL VOLATILE ORGANIC COMPOUNDS
IN GROUNDWATER ISOCONCENTRATION CONTOUR MAP
APRIL 2021
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

FIGURE 19
MONITORING WELL MW-4
HISTORICAL AND CURRENT SUMMARY OF TRICHLOROETHENE IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.
TCE was not detected during the April 2021 sampling event.

FIGURE 20
MONITORING WELL MW-8R
HISTORICAL AND CURRENT SUMMARY OF TRICHLOROETHENE IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.
TCE was not detected during the April 2021 sampling event.

FIGURE 21
MONITORING WELL MW-13S
HISTORICAL AND CURRENT SUMMARY OF TRICHLOROETHENE IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

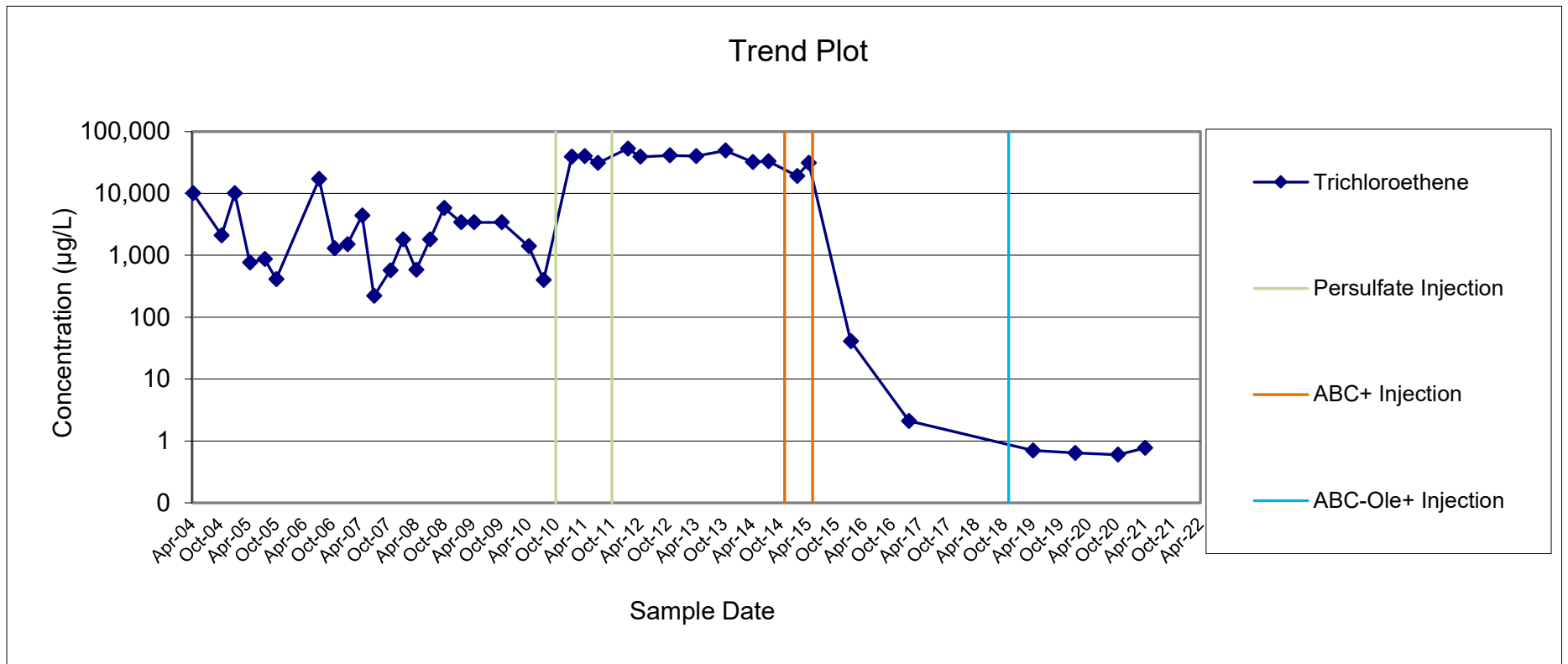
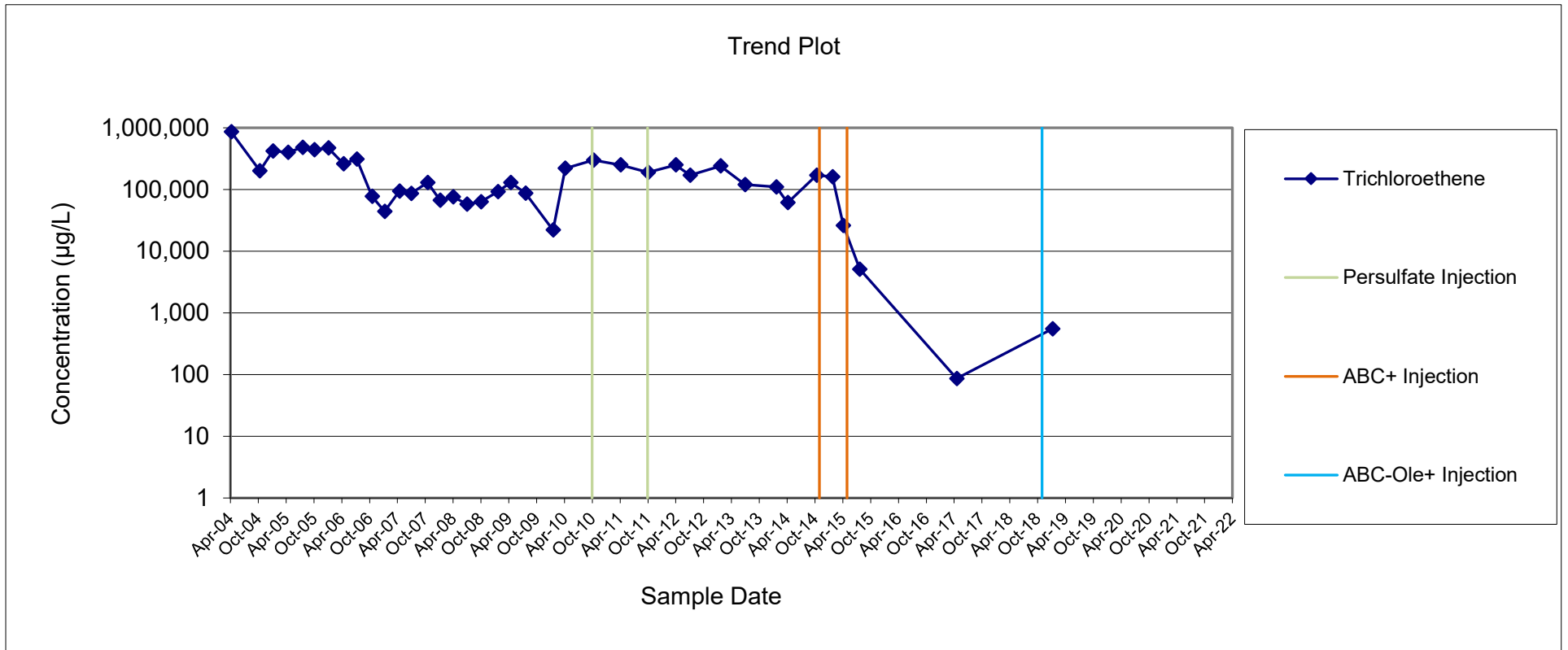
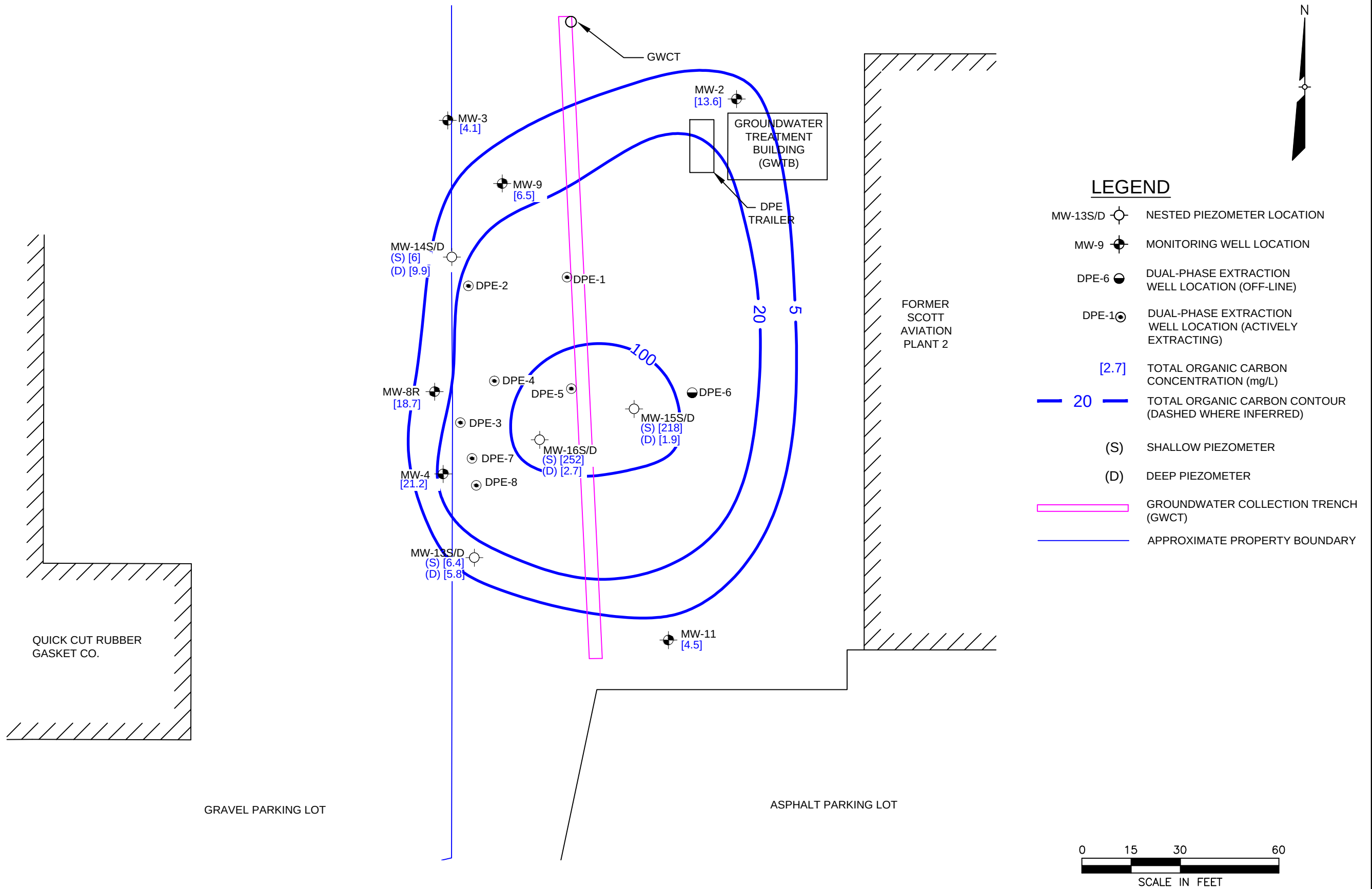


FIGURE 22
MONITORING WELL MW-16S
HISTORICAL AND CURRENT SUMMARY OF TRICHLOROETHENE IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



TCE has not been detected since January 2019.



AECOM

FIGURE 23
TOTAL ORGANIC CARBON IN GROUNDWATER
ISOCONCENTRATION CONTOUR MAP
APRIL 2021
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

Tables

Table 1

**Remedial Action Objectives
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Volatile Organic Compounds	Remedial Action Objectives*	
	Soil (mg/kg)	Groundwater (µg/L)
1,1,1-Trichloroethane	1	5
1,1-Dichloroethane	1	5
1,2-Dichloroethene	1	5
Chloroethane	1	5
Ethylbenzene	1	5
Toluene	1	5
Trichloroethene	1	5
Vinyl chloride	1	5
Xylenes	1	5
Total VOCs	10	NA

Notes:

mg/kg - milligrams per kilogram

µg/L - micrograms per liter

NA - not applicable

* Based on values presented in site-specific ROD (November 1994).

Table 2

**Monitoring Well, Nested Piezometer, and Dual-Phase Extraction Well Construction
Specifications
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Well ID	Date Installed	Top of Casing Elevation (ft AMSL)	Well Diameter (inches)	Bottom of Boring (ft bgs)	Screen Length (ft)	Well Screen Interval (ft bgs)	Filter Sand Pack Interval (ft bgs)	Bentonite Seal Interval (ft bgs)
Monitoring Wells								
MW-1	(1)	NA	NA	NA	NA	NA	NA	NA
MW-2	05/24/91	687.00	2.0	15.0	10	5.0 - 15.0	4.0 - 15.0	1.0 - 4.0
MW-3	05/19/91	687.05	2.0	26.0	15	11.0 - 26.0	9.0 - 26.0	5.0 - 9.0
MW-4	05/23/91	656.50	2.0	26.0	10	16.0 - 26.0	14.0 - 26.0	11.0 - 14.0
MW-5	(1)	NA	NA	NA	NA	NA	NA	NA
MW-6 (4)	03/17/04	686.46	2.0	26.0	10	16.0 - 26.0	14.0 - 16.0	11.5 - 14.0
MW-7	(2)	NA	NA	NA	NA	NA	NA	NA
MW-8R	02/17/04	686.29	2.0	28.0	10	14.0 - 24.0	13.0 - 24.5	12.0 - 13.0
MW-9	04/11/99	689.57	2.0	25.4	20	5.4 - 25.4	4.0 - 25.4	2.0 - 4.0
MW-10 (4)	04/11/99	687.70	2.0	24.4	20	4.4 - 24.4	3.0 - 4.4	1.0 - 3.0
MW-11	03/01/04	688.61	2.0	29.0	20	8.5 - 28.5	7.5 - 29.0	6.5 - 7.5
MW-12 (4)	03/17/04	686.19	2.0	27.5	20	7.0 - 27.0	6.0 - 27.5	5.0 - 6.0
Nested Piezometers								
MW-13S	03/03/04	686.65	1.0	24.0	8	8.5 - 16.5	7.5 - 17.0	6.5 - 7.5
MW-13D	03/03/04	686.75	1.0	24.0	4	19.5 - 23.5	19.0 - 24.0	17.0 - 19.0
MW-14S	03/04/05	685.74	1.0	24.0	8	8.5 - 16.5	7.5 - 16.75	6.5 - 7.5
MW-14D	03/04/05	685.88	1.0	24.0	5	18.5 - 23.5	18.25 - 24.0	16.75 - 18.25
MW-15S	03/02/05	687.17	1.0	28.0	6	12.0 - 18.0	11.0 - 12.0	10.0 - 11.0
MW-15D	03/02/05	687.87	1.0	28.0	4	21.0 - 25.0	20.5 - 28.0	18.5 - 20.5
MW-16S	03/03/05	688.15	1.0	24.0	6	12.0 - 18.0	11.0 - 18.25	10.0 - 11.0
MW-16D	03/03/05	688.16	1.0	24.0	4	20.0 - 24.0	19.75 - 24.0	18.25 - 19.75
Dual-Phase Extraction Recovery Wells								
DPE-1	02/17/04	687.17	4.0	18.5	5	13.0 - 18.0	12.0 - 18.5	11.0 - 12.0
DPE-2	02/19/04	685.32	4.0	26.0	5	18.5 - 23.5	18.0 - 26.0	17.0 - 18.0
DPE-3	02/18/04	685.98	4.0	18.0	8	8.5 - 16.5	8.0 - 18.0	7.0 - 8.0
DPE-4	(3)	686.00	2.0	27.7	20	7.7 - 27.7	6.0 - 27.7	4.0 - 6.0
DPE-5	02/16/04	686.00	4.0	18.3	6	12.0 - 18.0	11.0 - 18.3	10.0 - 11.0
DPE-6	02/16/04	687.53	4.0	18.3	6	12.0 - 18.0	11.0 - 18.3	10.0 - 11.0
DPE-7	02/19/04	685.92	4.0	26.0	4	19.5 - 23.5	19.0 - 26.0	18.0 - 19.0
DPE-8	02/18/04	686.03	4.0	17.0	8	8.5 - 16.5	8.0 - 17.0	7.0 - 8.0

Notes:

ft bgs - feet below ground surface

ft AMSL - feet above mean sea level

MW-# - Monitoring Well

DPE-# - Dual-Phase Extraction Recovery Well

(1) MW-1 and MW-5 are not monitored for this project.

(2) MW-7 was abandoned in November 2003 per Section 3.7 of the Remedial Design Work Plan.

(3) Pre-existing monitoring well MW-8 (installed 04/11/99) was converted to DPE-4 in February 2004.

(4) Decommissioned

NA - Information is not available.

Table 3

**Summary of the Groundwater Monitoring Program - July 2020 through April 2021
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Event Date	Number of Locations Sampled	Locations Sampled			
Quarterly Groundwater Monitoring					
July 2020	18	MW-2 MW-11 MW-16D DPE-4 DPE-8	MW-3 MW-13S DPE-1 DPE-5 GWCT	MW-4 MW-13D DPE-2 DPE-6	MW-8R MW-16S DPE-3 DPE-7
October 2020	18	MW-2 MW-11 MW-16D DPE-4 DPE-8	MW-3 MW-13S DPE-1 DPE-5 GWCT	MW-4 MW-13D DPE-2 DPE-6	MW-8R MW-16S DPE-3 DPE-7
January 2021	18	MW-2 MW-11 MW-16D DPE-4 DPE-8	MW-3 MW-13S DPE-1 DPE-5 GWCT	MW-4 MW-13D DPE-2 DPE-6	MW-8R MW-16S DPE-3 DPE-7
Comprehensive Annual Groundwater Monitoring					
April 2021	23	MW-2 MW-9 MW-14S MW-16S DPE-3 DPE-7	MW-3 MW-11 MW-14D MW-16D DPE-4 DPE-8	MW-4 MW-13S MW-15S DPE-1 DPE-5 GWCT	MW-8R MW-13D MW-15D DPE-2 DPE-6

Table 4

**Groundwater Monitoring Water Level Data - April 6, 2021
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.10	5.56	681.54
MW-3	687.05	8.10	678.95
MW-4	686.50	8.84	677.66
MW-8R	686.29	7.55	678.74
MW-9	689.57	11.26	678.31
MW-11	688.61	9.81	678.80
Nested Piezometers			
MW-13S	686.65	3.67	682.98
MW-13D	686.78	7.90	678.88
MW-14S	685.74	4.75	680.99
MW-14D	685.88	10.28	675.60
MW-15S	687.17	0.98	686.19
MW-15D	687.37	11.31	676.06
MW-16S	688.15	6.60	681.55
MW-16D	688.16	10.81	677.35
Remedial System			
GWCT Manhole (rim)	687.22	20.05	667.17

Notes:

TOC - Top of Casing

AMSL - Above Mean Sea Level

GWCT - Groundwater Collection Trench

GWCT is 200 feet long with a 0.01 foot/foot slope to the manhole

Locations re-surveyed on February 23, 2016

Table 5

Summary of Monitoring Well Analytical Data - April 2021
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	MW-2	MW-3	MW-4	MW-8R	MW-9	MW-11	Duplicate^	MW-13S
Date Collected	RAO/TOGS 1.1	04/06/21	04/06/21	04/08/21	04/07/21	04/06/21	04/06/21	04/06/21	04/07/21
Lab Sample ID	Objective	480-182887-1	480-182887-5	480-183063-1	480-182978-1	480-182887-2	480-182886-1	480-182887-4	480-182978-2
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1-Dichloroethane	5*	< 1.0 U	9.8	< 4.0 U	4.1 J	15	0.66 J	0.68 J	0.40 J
1,1-Dichloroethene	5	< 1.0 U	< 1.0 U	< 4.0 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	0.6	< 1.0 U	< 1.0 U	< 4.0 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Acetone	50	< 10 U	< 10 U	< 40 U	< 100 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzene	1	< 1.0 U	< 1.0 U	< 4.0 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	5*	< 1.0 U	0.70 J	92	20	< 1.0 U	< 1.0 U	< 1.0 U	3.3
cis-1,2-Dichloroethene	5*	< 1.0 U	1.9	5.0	300	8.7	1.8	1.6	1.8
Methylene Chloride	5	< 1.0 U	< 1.0 U	< 4.0 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	5*	< 1.0 U	< 1.0 U	3.3 J	8.7 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	5*	< 1.0 U	< 1.0 U	< 4.0 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	0.77 J
Vinyl chloride	5*	< 1.0 U	14	3.7 J	400	< 1.0 U	2.1	1.9	7.1
Xylenes, Total	5*	< 2.0 U	< 2.0 U	< 8.0 U	< 20 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NL	0.0	26	104	843	27	5.6	4.2	13.4
Total Organic Carbon	NL	13.6	4.1	21.2	18.7	6.5	4.5	NS	6.4

Table 5

Summary of Monitoring Well Analytical Data - April 2021
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	MW-13D	MW-14S	MW-14D	MW-15S	MW-15D	MW-16S	MW-16D
Date Collected	RAO/TOGS 1.1.1	04/07/21	04/07/21	04/07/21	04/08/21	04/08/21	04/09/21	04/07/21
Lab Sample ID	Objective	480-182978-3	480-182978-15	480-182978-16	480-183063-2	480-183063-3	480-183060-1	480-182978-4
Volatile Organic Compounds by Method 8260 (µg/L)								
1,1-Dichloroethane	5*	< 1.0 U	13	< 1.0 U	330	< 2.0 U	440 J	0.84 J
1,1-Dichloroethene	5	< 1.0 U	< 1.0 U	< 1.0 U	6.6 J	< 2.0 U	< 1,000 U	< 1.0 U
1,2-Dichloroethane	0.6	< 1.0 U	0.46 J	< 1.0 U	< 20 U	< 2.0 U	< 1,000 U	< 1.0 U
Acetone	50	< 10 U	< 10 U	< 10 U	< 200 U	< 20 U	< 10,000 U	3.4 J
Benzene	1	< 1.0 U	0.56 J	< 1.0 U	< 20 U	< 2.0 U	< 1,000 U	< 1.0 U
Chloroethane	5*	2.6	1.9	< 1.0 U	190	110	1,300	50
cis-1,2-Dichloroethene	5*	< 1.0 U	10	< 1.0 U	500	< 2.0 U	57,000	2.5
Methylene Chloride	5	< 1.0 U	< 1.0 U	< 1.0 U	< 20 U	1.1 J	< 1,000 U	< 1.0 U
Toluene	5*	< 1.0 U	< 1.0 U	< 1.0 U	170	< 2.0 U	640 J	< 1.0 U
Trichloroethene	5*	< 1.0 U	< 1.0 U	< 1.0 U	58	< 2.0 U	< 1,000 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	6.0	< 1.0 U	100	< 2.0 U	71,000	2.7
Xylenes, Total	5*	< 2.0 U	< 2.0 U	< 2.0 U	45	< 4.0 U	< 2,000 U	< 2.0 U
Total Volatile Organic Compounds	NL	2.6	32	0.0	1,400	111	130,380	59
Total Organic Carbon	NL	5.8	6	9.9	218	1.9	252	2.7

Notes:

Bold font indicates the analyte was detected.

Bold font and bold outline indicates the screening criteria was exceeded.

^ - Duplicate collected at MW-11.

* Site-specific RAO per ROD (November 1994).

Site-specific RAO's 1,1,1-Trichloroethane and Ethylbenzene were not detected above the reporting limit.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

U - Not detected at or above reporting limit.

NL - Not listed.

Table 6

**Summary of Groundwater Collection Trench Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID Date Collected Lab Sample ID	Groundwater RAO/TOGS 1.1.1 Objective	GWCT Manhole 07/24/15 480-84562-15	GWCT Manhole 10/19/15 480-89674-20	GWCT Manhole 01/05/16 480-93630-15	GWCT Manhole 04/04/16 480-84562-15	GWCT Manhole 07/05/16 480-102662-4	GWCT Manhole 10/27/16 480-108538-2	GWCT Manhole 01/16/17 480-112334-8	GWCT Manhole 04/20/17 480-116720-15
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1-Dichloroethane	5*	1.3	0.7	< 1.0 U	0.4 J	< 1.0 U	< 1.0 U	< 1.0 U	0.74 J
2-Butanone (MEK)	50	2.4 J	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 10 U
Acetone	50	7.0 J	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 10 U
Carbon disulfide	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	5*	< 1.0 U	< 1.0 U	62	44	70	34	45	26
Chlormethane	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	5*	1.1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.74 J
Ethylbenzene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	5*	< 1.0 U	< 1.0 U	0.99 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes, Total	5*	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	12.8	0.7	63	44	70	34	45	27

Table 6

**Summary of Groundwater Collection Trench Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole
Date Collected	RAO/TOGS 1.1.1	07/11/17	10/23/17	01/08/18	04/13/18	07/12/18	10/24/18	01/09/19	04/08/19
Lab Sample ID	Objective	480-121042-15	480-126420-1	480-129995-13	480-134234-8	480-138781-4	480-144170-15	480-147748-15	480-151586-12
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1-Dichloroethane	5*	< 1.0 U	< 1.0 U	< 1.0 U	0.52 J	< 1.0 U	< 1.0 U	0.38 J	0.48 J
2-Butanone (MEK)	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetone	50	< 10 U	< 10 U	< 10 U	10 J	< 10 U	< 10 U	< 10 U	< 10 U
Carbon disulfide	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.20 J
Chloroethane	5*	65	45	64	53	49	38	28	48
Chlormethane	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	5*	< 1.0 U	< 1.0 U	5.1	< 1.0 U	< 1.0 U	< 1.0 U	0.93 J	1.20
Ethylbenzene	5	< 1.0 U	0.19 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	5*	< 1.0 U	0.25 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.80 J	0.60 J
trans-1,2-Dichloroethene	5	< 1.0 U	0.34 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	1.4
Xylenes, Total	5*	< 2.0 U	0.67 J	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	65	45	69	64	49	38	30	52

Table 6

**Summary of Groundwater Collection Trench Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole	GWCT Manhole
Date Collected	RAO/ TOGS 1.1.1	07/23/19	10/14/19	01/06/20	04/06/20	07/22/20	10/13/20	01/20/21	04/07/21
Lab Sample ID	Objective	480-156622-7	480-160839-7	480-165026-18	480-168383-16	480-172827-15	480-176470-13	480-180395-15	480-182978-13
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1-Dichloroethane	5*	< 1.0 U	< 1.0 U	0.5 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
2-Butanone (MEK)	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Acetone	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon disulfide	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	5*	48	28	34	52	37	34	24	29
Chloromethane	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.42 J	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Ethylbenzene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	1.2 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes, Total	5*	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	48	28	34	52	39	34	24	29

Notes:

Bold font indicates the analyte was detected

Bold font and bold outline indicates the screening criteria was exceeded

* Site-specific RAO per ROD (November 1994)

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

U - Not detected at or above reporting limit.

NA - Not applicable

Table 7

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1
Date Collected	RAO/TOGS 1.1.1	04/17/14	04/06/16	07/06/16	10/27/16	01/16/17	04/18/17	07/11/17	10/19/17	01/10/18	04/13/18	07/12/18	10/25/18	01/09/19	04/08/19	07/22/19	10/14/19	01/06/20	04/06/20	07/22/20	10/13/20	01/20/21	04/07/21
Lab Sample ID	Objective	480-58303-1	480-97989-10	480-102662-9	480-108538-3	480-112334-10	480-116720-17	480-121042-17	480-126348-2	480-129995-14	480-134234-1	480-138781-6	480-144170-17	480-147748-17	480-151560-6	480-156622-8	480-160839-8	480-165026-10	480-168383-8	480-172827-7	480-176470-5	480-180395-7	480-182978-5
Volatile Organic Compounds by Method 8260 (µg/L)																							
1,1,1-Trichloroethane	5*	10 U	20 U	10 U	5.0 U	20 U	7.7	1.0 U	1.0 U	1.0 U	10 U	10 U	10 U	1.0 U	10 U	10 U	20 U	20 U	20 U	10 U	10 U	4.0 U	4.0 U
1,1-Dichloroethane	5*	69	130	10 U	21	20	5.0 U	2.8	2.4	67	5.8 J	10 U	10 U	40	48	10 U	78	94	120	100	10 U	3.2	44
1,1-Dichloroethene	5	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	0.98 J	10 U	10 U	10 U	0.39 J	10 U	10 U	20 U	20 U	20 U	10 U	10 U	4.0 U	4.0 U
1,2-Dichloroethane	0.6	10 U	20 U	10 U	1.1 J	20 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	10 U	1.0 U	10 U	10 U	20 U	20 U	20 U	10 U	10 U	4.0 U	4.0 U
2-Butanone (MEK)	50	140	200 U	100 U	24 J	200 U	50 U	10	33 J	58	50 J	50 U	21 J	34	50 J	100 U	200 U	72 U	91 J	100 U	32 J	83	93
2-Hexanone	50	50 U	100 U	50 U	25 U	100 U	25 U	5.0 U	5.0 U	2.6 J	50 U	50 U	50 U	5.0 U	50 U	50 U	100 U	100 U	100 U	50 U	50 U	20 U	20 U
Ethylbenzene	5	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	0.51 J	2.3	10 U	10 U	10 U	7.8	10 U	10 U	20 U	20 U	20 U	10 U	10 U	4.0 U	4.0 U
Acetone	50	310	200 U	100 U	64	65 J	50 U	36	84	160	210	59 J	110	82	140	36 J	83 J	200 J	320	93 J	150	290	290
Benzene	1	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	1.6	10 U	10 U	10 U	0.74 J	10 U	10 U	20 U	20 U	20 U	10 U	10 U	4.0 U	4.0 U
Carbon Disulfide	60	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	5.7	1.0	10 U	10 U	10 U	1.4	10 U	10 U	20 U	20 U	20 U	10 U	10 U	4.0 U	4.0 U
Chloroethane	5*	15	20 U	10 U	9.2	15 J	24	4.1	7.6	20	5.7 J	10 U	10 U	16	10 U	10 U	20 U	16 J	20 U	14	10 U	4.0 U	5.9
Chloromethane	5	10 U	18 J	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	10 U	10 U	1.0 U	10 U	10 U	20 U	20 U	20 U	10 U	10 U	4.0 U	4.0 U
cis-1,2-Dichloroethene	5*	71	130	10 U	25	16 J	12	2.4	5.3	58		10 U	10 U	33	40	10 U	73	90	140	120	10 U	4.4	53
Methylene Chloride	5	10 U	20 U	10 U	4.3 J	20 U	5.0 U	1.0 U	5.0 U	1.0 U	10 U	10 U	4.4 J	5.0 U	10 U	10 U	24	20 U	20 U	10 U	12	8.1	4.0 U
Toluene	5*	18	29	10 U	5.7	20 U	3.8 J	0.74 J	3.6	14	10 U	10 U	10 U	7.0	10 U	10 U	13 J	13 J	19 J	18	10 U	4.0 U	8.8
trans-1,2-Dichloroethene	5	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	1.0	10 U	10 U	10 U	1.0 U	10 U	10 U	20 U	20 U	20 U	10 U	10 U	4.0 U	4.0 U
Trichloroethene	5*	23	18 J	10 U	4.7 J	20 U	1.3 J	1.0 U	1.0 U	10	10 U	10 U	10 U	5.4	6.7 J	10 U	20 U	20 U	20	13	10 U	4.0 U	8.7
Vinyl chloride	5*	15	31	10 U	6.8	20 U	5.0 U	1.0 U	1.1	15	10 U	10 U	10 U	13	9.7 J	10 U	20	25	35	32	10 U	4.0 U	15
Xylenes, Total	5	20 U	40 U	20 U	10 U	40 U	10 U	2.0 U	2.0 U	6.9	20 U	20 U	20 U	2.7	20 U	20 U	40 U	40 U	40 U	20 U	20 U	8.0 U	8.0 U

Notes:

The DPE system was put back on line following the third quarter 2016 sampling event.

The injection of ABC+® occurred in November 2014 and April/May 2015.

The injection of ABC-Ole® with ZVI occurred in November 2018.

Bold font indicates the analyte was detected.

Bold font and bold outline indicates the screening criteria was exceeded.

* Site-specific RAO per ROD (November 1994)

J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 7

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2
Date Collected	RAO/TOGS 1.1.1	04/17/14	04/06/16	07/06/16	01/16/17	04/18/17	07/11/17	10/23/17	01/10/18	04/13/18	07/12/18	10/25/18	01/09/19	04/08/19	07/22/19	10/14/01	01/06/20	04/06/20	07/22/20	10/13/20	01/20/21	DPE-2
Lab Sample ID	Objective	480-58303-6	480-97989-11	480-102662-8	480-112334-11	480-116720-18	480-121042-18	480-126420-7	480-129995-15	480-134234-2	480-138781-7	480-144170-18	480-147748-18	480-151560-7	480-156622-1	480-160839-9	480-165026-11	480-168383-9	480-172827-8	480-176470-6	480-180395-8	480-182978-6
Volatile Organic Compounds by Method 8260 (µg/L)																						
1,1-Dichloroethane	5*	4.4	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.49 J	1.0 U	0.65 J	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	50 U	50 U	50 U	3.2 J	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50	50 U	50 U	50 U	10 U	50 U	6.0 J	3.4 J	10 U	10 U	10 U	3.2 J	10 U	20 U	20 U	10 U	10 U	10 U	3.1 J	1.0 U	4.2 J	10 U
Benzene	1	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.47 J	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Disulfide	60	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	0.33 J	1.0 U	1.0 U	1.0 U	1.0 U	0.32 J	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5*	5.0 U	5.0 U	5.0 U	2.5	3.5 J	1.0 U	1.0 U	1.0 U	1.0 U	2.7	3.5	11	16	13	1.0 U	0.58 J	0.79 J	4.6	1.0 U	2.9	2.9
Chloromethane	5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.7	3.2 J	11	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5*	240	5.0 U	5.0 U	1.0 U	2.4 J	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1.1	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U
Methylene Chloride	5	5.0 U	5.0 U	5.0 U	0.51 J	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.2	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5*	5.9	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	5*	54	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	0.85 J	1.7	1.0 U	9.9	4.2	11	2.0 U	2.0 U	1.0 U	1.0 U	2.2	2.2	10	1.0 U	1.1

Notes:
The DPE system was put back on line following the third quarter 2016 sampling event.
The injection of ABC+® occurred in November 2014 and April/May 2015
The injection of ABC-Ole® with ZVI occurred in November 2018.
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J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.
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Table 7

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3
Date Collected	RAO/TOGS 1.1.1	04/17/14	07/24/15	10/21/15	04/06/16	07/07/16	10/27/16	01/16/17	04/18/17	07/11/17	10/24/17	04/13/18	07/12/18	10/25/18	01/09/19	04/08/19	10/14/19	01/06/20	04/06/20	07/22/20	10/13/20	01/20/21	04/07/21
Lab Sample ID	Objective	480-58303-2	480-84562-16	480-89674-15	480-97989-12	480-102824-3	480-108538-4	480-112334-12	480-116720-19	480-121042-19	480-126420-15	480-134234-2	480-138781-8	480-144170-19	480-147748-19	480-151560-8	480-160839-1	480-165026-12	480-168383-10	480-172827-9	480-176470-7	480-180395-9	480-182978-7
Volatile Organic Compounds by Method 8260 (µg/L)																							
1,1,1-Trichloroethane	5*	43	10 U	20 U	5.0 U	10 U	5.0 U	20 U	5.4	20 U	20 U	25 U	10 U	11	100 U	20 U	10 U	10 U	4.0 U	5.2	25 U	25 U	20 U
1,1-Dichloroethane	5*	42	24	20 U	5.0 U	10 U	5.0 U	20 U	14	92	34	25 U	15	88	180	18 J	10 U	10 U	4.6	8.7	18 J	25 U	15 J
1,1-Dichloroethene	5	26	3.1 J	20 U	5.0 U	10 U	5.0 U	20 U	20	53	11 J	25 U	3.5 J	38 J	100 U	20 U	10 U	10 U	4.0 U	1.6 J	25 U	25 U	20 U
2-Butanone (MEK)	50	100 U	610	220	50 U	100 U	50 U	200 U	10	200 U	1,000 U	250 U	100 U	100 U	1,000 U	200 U	100 U	100 U	250	40 U	250 U	250 U	200 U
Acetone	50	50 U	110	110 J	50 U	100 U	50 U	200 U	28	200 U	500 U	250 U	100 U	37 J	1,000 U	200 U	63 J	100 U	620	40 U	250 U	250 U	200 U
Carbon Disulfide	60	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	0.5 J	20 U	20 U	25 U	10 U	10 U	100 U	20 U	10 U	10 U	4.0 U	4.0 U	25 U	25 U	20 U
Chloroethane	5*	10 U	23	20 U	5.0 U	10 U	5.0 U	20 U	5.5	20 U	14 J	25 U	10 U	10 U	100 U	20 U	16	12	4.0 U	4.0 U	25 U	25 U	20 U
cis-1,2-Dichloroethene	5*	2,700	650	70	18	8.7 J	5.0 U	20 U	4,300	11,000	1,700	78	740	10,000	6,400	150	19	10 U	210	340	1,400	620	940
Methylene Chloride	5	10 U	6.1 J	20 U	7.5	10 U	5.0 U	20 U	1.0 U	20 U	100 U	25 U	10 U	10 U	100 U	20 U	10	10 U	4.0 U	4.0 U	25	32	20 U
Toluene	5*	8.0 J	8.4 J	20 U	5.0 U	10 U	5.0 U	20 U	4.1	12 J	20 U	25 U	10 U	40	100 U	15 J	5.3 J	5.3 J	4.0 U	4.0 U	25 U	25 U	20 U
trans-1,2-Dichloroethene	5	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	68	22	19 J	25 U	10 U	11	100 U	20 U	10 U	10 U	4.0 U	4.0 U	25 U	25 U	20 U
Trichloroethene	5*	6,500	10 U	20 U	5.0 U	10 U	3.1 J	20 U	190	69	430	25 U	31	120	100 U	20 U	10 U	10 U	63	35	320	160	160
Vinyl chloride	5*	120	240	20 U	12	43	10	45	480	10,000	430	35	360	2,700	9,100	430	29	10 U	23	83	240	140	300

Notes:
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The injection of ABC-Ole® with ZVI occurred in November 2018.
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Table 7

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4
Date Collected	RAO/TOGS 1.1.1	04/17/14	07/24/15	10/21/15	07/06/16	10/27/16	01/16/17	04/18/17	10/23/17	01/10/18	04/13/18	07/12/18	10/25/18	01/09/19	04/08/19	07/22/19	10/14/19	01/06/20	04/06/20	07/22/20	10/13/20	01/20/21	04/07/21
Lab Sample ID	Objective	480-58303-3	480-84562-17	480-89674-16	480-102662-10	480-108538-5	480-112334-13	480-116720-20	480-126420-8	480-12995-16	480-134234-4	480-138781-9	480-144170-20	480-147748-20	480-151560-9	480-156622-2	480-160839-2	480-165026-13	480-168383-11	480-172827-10	480-176470-8	480-180395-10	480-182978-8
Volatile Organic Compounds by Method 8260 (µg/L)																							
1,1,1-Trichloroethane	5*	10 U	10 U	100 U	400 U	1.0 U	100 U	20 U	50 U	50 U	10 U	10 U	1.0 U	8.0 U	1.2	3.0	10 U	10 U	10 U	10 U	10 U	10 U	50 U
1,1-Dichloroethane	5*	8.1	130	450	400 U	2.5	100 U	20	22 J	50 U	10 U	8.4 J	1.0 U	8.0 U	10	9.8	14	12	6.3 J	10	10 U	14	50 U
1,1-Dichloroethene	5	10 U	30	460	400 U	1.0 U	100 U	17 J	34 J	50 U	10 U	7.0 J	1.0 U	8.0 U	1.0 U	0.51 J	10 U	10 U	10 U	10 U	10 U	10 U	50 U
1,2-Dichloroethane	0.6	10 U	2.2 J	100 U	400 U	1.0 U	100 U	20 U	50 U	50 U	10 U	10 U	0.65 J	15	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
2-Butanone (MEK)	50	50 U	65 J	1,000 U	4,000 U	10 U	1,000 U	200 U	2,500 U	500 U	100 U	100 U	100 U	80 U	2.7 J	5.7 J	100 U	100 U	100 U	100 U	100 U	100 U	500 U
Acetone	50	50 U	46 J	1,000 U	4,000 U	6.9 J	1,000 U	200 U	1,300 U	190 J	100 U	100 U	100 U	80 U	5.9 J	16	100 U	100 U	100 U	61 J	34 J	100 U	500 U
Carbon Disulfide	60	10 U	3.4 J	100 U	400 U	2.1	100 U	20 U	50 U	50 U	10 U	10 U	1.0 U	8.0 U	0.96 J	0.36 J	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Chloroethane	5*	10 U	49	110	400 U	4.6	100 U	8 J	50 U	50 U	10 U	10 U	1.0 U	8.0 U	2.5	2.6	10 U	10 U	10 U	8.1 J	10 U	10 U	50 U
Chloromethane	5	10 U	10 U	230	400 U	1.0 U	100 U	20 U	50 U	50 U	10 U	10 U	1.0 U	8.0 U	1.0 U	1.0 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
cis-1,2-Dichloroethene	5*	510	30,000	130,000	25,000	130	4,300	4,400	6,000	2,100	320	2,600	29	48	28	130	87	92	310	870	490	2,500	1,100
Methylene Chloride	5	10 U	8.1 J	100 U	260 J	5.7 J	81 J	20 U	250 U	320	10 U	10 U	1.0 U	8.0 U	1.0 U	1.0 U	12	10 U	10 U	10 U	10	12	50 U
Toluene	5*	10 U	28	140	400 U	1.0 U	100 U	7 J	50 U	50 U	10 U	10 U	1.0 U	8.0 U	1.8	0.84 J	10 U	10 U	10 U	10 U	10 U	7.0 J	50 U
trans-1,2-Dichloroethene	5	10 U	36	100 U	400 U	1.0 U	100 U	76	50 U	50 U	10 U	10 U	1.0 U	8.0 U	1.1	1.4	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Trichloroethene	5*	630	93	120	400	1.4	100 U	120	13 J	47 J	10 U	34	1.0 U	8.0 U	1.9	18	10 U	6.2	24	22	13	6.1 J	74
Vinyl chloride	5*	31	4,700	37,000	12,000	44	1,100	1,400	3,700	430	62	810	18	500	20	79	34	39	470	1,300	700	1,700	1,400

Notes:

The DPE system was put back on line following the third quarter 2016 sampling event.

The injection of ABC+[®] occurred in November 2014 and April/May 2015

The injection of ABC-Ole[®] with ZVI occurred in November 2018.

Bold font indicates the analyte was detected.

Bold font and bold outline indicates the screening criteria was exceeded.

* Site-specific RAO per ROD (November 1994)

J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 7

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5
Date Collected	RAO/TOGS 1.1.1	04/17/14	07/24/15	10/21/15	07/06/16	10/27/16	01/16/17	04/18/17	07/11/17	10/19/17	01/10/18	04/13/18	07/12/18	10/25/18	01/09/19	04/08/19	07/22/19	10/14/19	01/06/20	04/06/20	07/22/20	10/13/20	01/20/21	04/07/21
Lab Sample ID	Objective	480-58303-4	480-84562-18	480-89674-17	480-102662-13	480-108538-6	480-112334-14	480-116720-21	480-121042-21	480-126348-1	480-129995-17	480-134234-5	480-138781-10	480-144170-21	480-147748-20	480-151586-8	480-156622-3	480-160839-3	480-165026-14	480-168383-12	480-172827-11	480-176470-9	480-180395-11	480-182978-9
Volatile Organic Compounds by Method 8260 (µg/L)																								
1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloroethane 2-Butanone (MEK) 2-Hexanone Ethylbenzene Acetone Benzene Carbon Disulfide Chloroethane cis-1,2-Dichloroethene Methylene Chloride Toluene trans-1,2-Dichloroethene Trichloroethene Vinyl chloride Xylenes, Total	5*	160	30	59	17	110	150	44	45	100	66	140	87	50 U	35	22	6.5	10 U	10 U	23	18	17	26	3.6 J
	5	2.9 J	10 U	10 U	10 U	10 U	82	20 U	8.0 U	1.0 U	10 U	15 J	50 U	50 U	10 U	10 U	1.0 U	10 U	10 U	10 U	10 U	10 U	4.0 U	4.0 U
	0.6	10 U	10 U	10 U	10 U	9.3 J	50 U	20 U	8.0 U	1.0 U	10 U	40 U	50 U	50 U	10 U	10 U	1.0 U	10 U	10 U	10 U	10 U	10 U	4.0 U	4.0 U
	50	26 J	330	660	78 J	100 U	500 U	200 U	80 U	240	21 J	400 U	500 U	500 U	20 J	39 J	54	100 U	100 U	100 U	100 U	100 U	40 U	40 U
	5	50 U	50 U	50 U	50 U	50 U	50 U	100 U	40 U	5.0 U	50 U	200 U	250 U	250 U	50 U	50 U	5.8	50 U	50 U	50 U	50 U	50 U	20 U	20 U
	5	10 U	10 U	10 U	10 U	10 U	10 U	20 U	8.0 U	1.8 U	10 U	40 U	50 U	50 U	10 U	10 U	1.0	10 U	10 U	10 U	10 U	10 U	4.0 U	4.0 U
	50	120	240	340	120	180	160 J	200 U	200	25 U	90 J	120 J	500 U	500 U	40 J	91 J	160	32 J	100 U	53 J	33 J	100 U	51	40
	1	10 U	10 U	10 U	10 U	10 U	50 U	20 U	8.0 U	0.52 J	10 J	40 J	50 U	50 U	10 J	10 J	1.0	10 U	10 U	10 U	10 U	10 U	4.0 U	4.0 U
	60	10 U	10 U	10 U	10 U	10 U	50 U	20 U	12	3.0	3.1 J	40 J	50 U	50 U	3.1 J	10 U	1.5	10 U	10 U	10 U	10 U	10 U	4.0 U	2.7 J
	5*	46	51	81	87	120	130	38	60	84	80	150	100	50 U	32	68	86	53	46	57	83	63	55	19
	5*	320	410	610	120	2,800	33,000	2,000	290	1,400	480	3,500	2,100	1,100	830	230	52	10 U	10 U	670	250	110	44	27
	5	10 U	4.5 J	10 U	10 U	10 U	26 J	20 U	8.0 U	5.0 U	10 U	40 U	50 U	50 U	10 U	10 U	1.0 U	9.1 J	10 U	10 U	10 U	6.6 J	4.0 U	4.0 U
	5*	30	11	9.2	10 U	10 U	12	37 J	7.8 J	8.0 U	5.7	9.6 J	20 J	50 U	50 U	6.4 J	6.6 J	5.5	10 U	10 U	10 U	10 U	5.0	4.0 U
	5	10 U	11	20	10 U	10 U	10 U	10 U	24	8.0 U	22	10	40 U	50 U	50 U	10	10 U	2.1	10 U	10 U	10 U	10 U	4.0 U	4.0 U
5*	160	10 U	10 U	10 U	10 U	14	250	5.5 J	8.0 U	1.0 U	6.7 J	40 U	50 U	50 U	8.5 J	6.2 J	4.9	10 U	10 U	10 U	10 U	4.0 U	4.0 U	
5	71	180	170	71	1,600	6,400	570	190	1,600	250	2,200	1,700	660	410	39	53	10 U	10 U	490	390	430	47	33	
5*	50 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U	40 U	2.3 J	20 U	80 U	100 U	100 U	20 U	20 U	3.4	20 U	20 U	20 U	20 U	8.0 U	8.0 U	

Notes:
The DPE system was put back on line following the third quarter 2016 sampling event.
The injection of ABC+® occurred in November 2014 and April/May 2015
The injection of ABC-Ole® with ZVI occurred in November 2018.
Bold font indicates the analyte was detected.
Bold font and bold outline indicates the screening criteria was exceeded.
* Site-specific RAO per ROD (November 1994)
J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.
U - Not detected at or above reporting limit.
NS - Not sampled.

Table 7

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6
Date Collected	RAO/TOGS 1.1.1	10/25/18	01/09/19	04/08/19	07/22/19	10/14/19	01/06/20	04/06/20	07/22/20	10/13/20	01/20/21	04/07/21
Lab Sample ID	Objective	480-144170-4	480-147748-20	480-151586-4	480-156622-4	480-160839-4	480-165026-15	480-168383-13	480-172827-12	480-176470-10	480-180395-12	480-182978-10
Volatile Organic Compounds by Method 8260 (µg/L)												
1,1-Dichloroethane	5*	700	13	5.9	0.81 J	1.0 U	1.0 U	0.44 J	0.41 J	20 U	1.0 U	0.43 J
1,1-Dichloroethene	5	47 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U
2-Butanone (MEK)	50	380	10 U	10 U	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	NL	42 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	100 U	5.0 U	5.0 U
Acetone	50	1,700	10 U	10 U	10 U	10 U	10 U	10 U	15	20 U	10 U	10 U
Carbon Disulfide	60	20 U	1.0 U	1.0 U	0.20 J	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5*	310	7.2	4.3	1.0	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U
Methylene Chloride	5	12 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	15 J	1.0 U	1.0 U
Toluene	5*	13 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U
Trichloroethene	5*	17 J	1.3	1.1	0.51 J	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U
Vinyl chloride	5*	180	3.3	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	40 U	1.0 U	1.0 U

Notes:

The DPE system was put back on line following the third quarter 2016 sampling event.

The injection of ABC+® occurred in November 2014 and April/May 2015

The injection of ABC-Ole® with ZVI occurred in November 2018.

Bold font indicates the analyte was detected.

Bold font and bold outline indicates the screening criteria was exceeded.

* Site-specific RAO per ROD (November 1994)

J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 7

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	
Date Collected	RAO/TOGS 1.1.1	04/17/14	07/24/15	10/21/15	07/07/16	10/27/16	01/16/17	04/18/17	07/11/17	10/23/17	01/10/18	04/13/18	07/12/18	10/25/18	01/09/19	04/08/19	07/22/19	10/14/19	01/06/20	04/06/20	07/22/20	10/13/20	01/20/21	04/07/21
Lab Sample ID	Objective	480-58303-5	480-84562-19	480-89674-18	480-102824-4	480-108538-7	480-112334-15	480-116720-23	480-121042-22	480-126420-5	480-129995-18	480-134234-6	480-138781-11	480-144170-5	480-147748-5	480-151586-5	480-156622-5	480-160839-5	480-165026-16	480-168383-14	480-172827-13	480-176470-11	480-180395-13	480-182978-11
Volatile Organic Compounds by Method 8260 (µg/L)																								
1,1-Dichloroethane	5*	460	250	390	63	20 U	91	120	45	67	10 U	65	28	10 U	2.0 U	1.8 J	0.88 J	40 U	40 U	120	91	67	1.0 U	78
1,1-Dichloroethene	5	47 J	12 J	20 U	20 U	20 U	20 U	0.48 J	20 U	1.0 U	10 U	20 U	10 U	10 U	2.0 U	2.0 U	2.0 U	40 U	40 U	40 U	10 U	10 U	1.0 U	3.5
1,2-Dichloroethane	0.6	10 U	20 U	20 U	20 U	20 U	20 U	0.41 J	20 U	1.0 U	10 U	20 U	10 U	10 U	7.7	2.0 U	2.0 U	40 U	40 U	40 U	10 U	10 U	1.0 U	1.0 U
2-Butanone (MEK)	50	50 U	150 J	940	530	210	270	280	120 J	67	100 U	130 J	50 J	18 J	25	11 J	21	400 U	400 U	400 U	100 U	100 U	10 U	10 U
2-Hexanone	50	50 U	100 U	100 U	100 U	100 U	100 U	5.0 U	100 U	5.0 U	50 U	100 U	50 U	50 U	6.9 J	10 U	6.2 J	200 U	200 U	200 U	50 U	50 U	5.0 U	5.0 U
Acetone	50	50 U	1,100	530	230	130 J	140 J	150	130 J	30	100 U	81 J	37 J	100 U	23	17 J	38	400 U	400 U	400 U	100 U	100 U	10 U	10 U
Benzene	1	10 U	20 U	20 U	20 U	20 U	20 U	1.0	20 U	0.66 J	10 U	20 U	10 U	10 U	2.0 U	2.0 U	2.0 U	40 U	40 U	40 U	10 U	10 U	1.0 U	0.53 J
Chloroethane	5*	11	27	260	260	110	530	360	450	340	340	390	320	190	120	87	28	40 U	30	450	350	300	82	380
cis-1,2-Dichloroethene	5*	11,000	820	680	26	27	20 U	67	20 U	1.3	10	20 U	10 U	10 U	56	25	12	40 U	40 U	83	35	45	0.96 J	130
Methylene Chloride	5	10 U	11 J	20 U	20 U	20 U	12 J	1.0 U	20 U	5.0 U	10 U	25	10 U	5.8 J	2.0 U	2.0 U	2.0 U	66	40 U	40 U	7.1 J	8.9 J	1.0 U	1.0 U
Toluene	5*	10 U	20 U	20 U	20 U	20 U	20 U	5.8	20 U	2.0	10 U	20 U	10 U	10 U	2.8	2.2	1.7	40 U	40 U	40 U	6.2 J	6.7 J	1.3	8.4
trans-1,2-Dichloroethene	5	10 U	20 U	20 U	20 U	20 U	20 U	4.1 J	20 U	1.3	10 U	20 U	10 U	10 U	2.0 U	2.0 U	2.0 U	40 U	40 U	40 U	10 U	10 U	1.0 U	1.2
Trichloroethene	5*	1,300	20 U	12 J	20 U	20 U	20 U	0.93 J	20 U	0.46 J	10 U	20 U	10 U	10 U	5.1	2.5	2.2	40 U	40 U	40 U	5.6 J	10 U	1.0 U	21
Vinyl chloride	5*	580	470	780	300	40 U	50	270	110	25	20 U	59	130	20 U	23	4.0	3.8	80 U	80 U	1,400	370	950	6.4	1,400

Notes:

The DPE system was put back on line following the third quarter 2016 sampling event.

The injection of ABC+® occurred in November 2014 and April/May 2015

The injection of ABC-Ole® with ZVI occurred in November 2018.

Bold font indicates the analyte was detected.

Bold font and bold outline indicates the screening criteria was exceeded.

* Site-specific RAO per ROD (November 1994)

J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 7

Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID	Groundwater RAO/TOGS 1.1.1	DPE-8 07/24/15	DPE-8 10/21/15	DPE-8 07/07/16	DPE-8 10/27/16	DPE-8 01/16/17	DPE-8 04/18/17	DPE-8 07/11/17	DPE-8 10/23/17	DPE-8 01/10/18	DPE-8 04/13/18	DPE-8 07/12/18	DPE-8 10/25/18	DPE-8 01/09/19	DPE-8 04/09/19	DPE-8 07/22/19	DPE-8 10/14/19	DPE-8 01/06/20	DPE-8 04/06/20	DPE-8 07/22/20	DPE-8 10/13/20	DPE-8 01/20/21	DPE-8 04/07/21
Date Collected	Objective	480-84562-20	480-89674-19	480-102824-5	480-108538-1	480-112334-16	480-116720-24	480-121042-20	480-126420-6	480-129995-19	480-134234-7	480-138781-3	480-144170-5	480-147748-7	480-151586-8	480-156622-5	480-160839-6	480-165026-17	480-168383-15	480-172827-14	480-176470-12	480-180395-14	480-182978-12
Lab Sample ID	Objective	480-84562-20	480-89674-19	480-102824-5	480-108538-1	480-112334-16	480-116720-24	480-121042-20	480-126420-6	480-129995-19	480-134234-7	480-138781-3	480-144170-5	480-147748-7	480-151586-8	480-156622-5	480-160839-6	480-165026-17	480-168383-15	480-172827-14	480-176470-12	480-180395-14	480-182978-12
Volatile Organic Compounds by Method 8260 (µg/L)																							
1,1,1-Trichloroethane	5*	57	170	39	21	170	55	100 U	4.8	20 U	75	30	20 U	20 U	20 U	20 U	20 U	20 U	99	60	69	10 U	130
1,1-Dichloroethane	5*	140	590	58	22	130	50 U	310	4.4	50	71	28	330	240	160	54	20 U	20 U	47	35 J	48	30	73 J
1,1-Dichloroethene	5	50 U	20	5.0 U	4.0 J	27 J	50 U	100 U	1.6	8.2 J	6.5 J	20 U	20 U	54	9.1 J	20 U	20 U	20 U	18 J	50 U	16	10 U	100 U
2-Butanone (MEK)	50	540	260	50 U	50 U	400 U	500 U	1,000 U	50 U	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	100 U	200 U	500 U	100 U	100 U	1,000 U
Acetone	50	890	220	50 U	50 U	400 U	500 U	1,000 U	25 U	200 U	200 U	200 U	200 U	200 U	200 U	70 J	200 U	200 U	200 U	500 U	100 U	100 U	1,000 U
Carbon Disulfide	60	50 U	11	5.0 U	5.0 U	40 U	50 U	51 J	1.0 U	20 U	20 U	20 U	8.5 J	20 U	20 U	20 U	20 U	20 U	20 U	50 U	10 U	10 U	100 U
Chloroethane	5*	50 U	54	44	12	40 U	50 U	100 U	1.8	22	30	20 U	62	20 U	110	53	20 U	7.0 J	14 J	50 U	20	10 U	100 U
cis-1,2-Dichloroethene	5*	1,500	2,300	5.0 U	850	4,100	4,800	8,500	110	540	1,600	1,000	19,000	10,000	850	430	20 U	20 U	3,000	2,600	3,000	450	4,800
Methylene Chloride	5	23 J	20 U	5.0 U	5.0 U	40 U	50 U	100 U	5.0 U	20 U	20 U	20 U	11 J	20 U	20 U	20 U	20 U	20 U	20 U	50 U	10	10 U	100 U
Toluene	5*	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 U	20 U	20 U	10 J	21	11 J	20 U	20 U	20 U	20 U	50 U	5.1 J	10 U	100 U
trans-1,2-Dichloroethene	5	50 U	55	8.1	5.0 U	40 U	57	100 U	0.99	20 U	20 U	20 U	34	27	24	20 U	20 U	20 U	20 U	50 U	10 U	10 U	100 U
Trichloroethene	5*	230	92	5.4	8.4	98	36 J	100 U	6.6	11 J	65 J	40	20 U	13 J	20 U	20 U	20 U	20 U	220	50 U	87	10 U	350
Vinyl chloride	5*	1,400	1,700	110	140	920	480	2,300	1.0 U	410	480	120	1,800	2,800	710	370	40 U	40 U	360	260	890	380	720

Notes:

The DPE system was put back on line following the third quarter 2016 sampling event.

The injection of ABC+® occurred in November 2014 and April/May 2015

The injection of ABC-Ole® with ZVI occurred in November 2018.

Bold font indicates the analyte was detected.

Bold font and bold outline indicates the screening criteria was exceeded.

* Site-specific RAO per ROD (November 1994)

J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 8
Bioattenuation Screening Summary
Scott Figgie Area 2 Site
Lancaster, New York

Parameter	Units	Criteria	Score Value	Monitoring Well Identification											
				MW-4		MW-8R		MW-11		MW-13S		MW-16S		MW-16D	
				Plume Well		Plume Well		Background well		Plume Well		Plume Well		Plume Well	
				4/8/21	Score	4/7/21	Score	4/6/21	Score	4/7/21	Score	4/9/21	Score	4/7/21	Score
Dissolved Oxygen	mg/L	< 0.5 mg/L	3	0.81	0	0.63	0	1.21	0	1.07	0	2.24	0	0.92	0
		> 5 mg/L	-3												
Nitrate	mg/L	< 1 mg/L	2	0.032	2	<0.050	2	<0.050	2	<0.050	2	<0.050	2	<0.050	2
Ferrous Iron	µg/L	> 1 mg/L	3	0.63	0	0.33	0	0.33	0	0.088	0	2.7	3	<0.10	0
Sulfate	mg/L	< 20 mg/L	2	8.2	2	8.5	2	18.7	2	7.5	2	17.9	2	<20	2
Sulfide	mg/L	> 1 mg/L	3	1.6	3	<1.0	0	<1.0	0	<1	0	<1	0	<1.0	0
Methane	µg/L	< 500 µg/L	0												
		> 500 µg/L	3	14,000	3	21,000	3	2,100	3	20,000	3	13,000	3	17,000	3
Ethene	µg/L	> 10 µg/L	2	600	2	460	2	<150	2	<770	2	33,000	2	320	2
Ethane	µg/L	> 100 µg/L	3	140	3	<1,700	0	<170	0	710	3	710	3	330	3
ORP	mV	< 50 mV	1					-17.3	1	-97.3	1				
		< -100 mV	2	-170.4	2	-185.8	2					-101.0	2	-158.5	2
pH	s.u.	5 < pH < 9	0	7.60	0	7.34	0	6.64	0	6.88	0	6.84	0	7.47	0
		5 > pH > 9	-2												
Temperature	°C	> 20°C	1	11.64	0	14.63	0	12.70	0	11.41	0	10.48	0	12.10	0
TOC	mg/L	> 20 mg/L	2	146	2	16.8	0	4.5	0	6.8	0	204	2	2.8	0
Carbon Dioxide	µg/L	> 2x background	1	60,000	0	22,000	0	140,000	0	120,000	0	89,000	0	16,000	0
Alkalinity	mg/L	> 2x background	1	1040	0	281	0	428	0	539	0	472	0	314	0
Chloride	mg/L	> 2x background	2	494	0	207	0	1,310	0	163	0	866	0	204	0
PCE ¹	µg/L	----	0	<4	0	<10	0	<1	0	<1	0	<1000	0	<1	0
TCE ²	µg/L	----	0	<4	0	<10	0	<1	0	0.77	0	<1000	0	<1	0
DCE ³	µg/L	----	2	4.4	2	300	2	1.8	2	1.8	2	57,000	2	2.5	2
VC ⁴	µg/L	----	2	14	2	400	2	2.1	2	7.1	2	71,000	2	2.7	2
1,1,1-TCA ⁵	µg/L	----	0	<4	0	<10	0	<1	0	<1	0	<1000	0	1	0
1,1-DCA ⁶	µg/L	----	2	<4	0	4.1	2	0.66	2	0.40	2	440	2	0.84	2
CA ⁷	µg/L	----	2	93	2	20	2	<1	2	3.3	2	1,300	2	50	2
					25		19		18		21		27		22

Notes:

DCE = dichloroethene

°C = degrees Celsius

µg/L = micrograms per liter

mg/L = milligrams per liter

mV = millivolts

ORP = oxidation-reduction potential

s.u. = standard unit

PCE = tetrachloroethene

TCE = trichloroethene

* MNA parameters **not** collected so **cannot** adequately evaluate and score

0 to 5 points: There is inadequate evidence for anaerobic biodegradation of chlorinated organics.

6 to 14 points: There is limited evidence for anaerobic biodegradation of chlorinated organics.

15 to 20 points: There is adequate evidence for anaerobic biodegradation of chlorinated organics.

>20 points: There is strong evidence for anaerobic biodegradation of chlorinated organics.

¹ = Material Released

² = Daughter product of PCE

³ = Daughter product of TCE (score if cis-1,2-DCE is 80% of total DCE)

⁴ = Daughter product of DCE

⁵ = Material Released

⁶ = Daughter product of 1,1,1-TCA under reducing conditions

⁷ = Daughter product of 1,1-DCA or VC under reducing conditions

Table 9

Summary of Vapor Monitoring Results - April 2021
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

	Sample ID: LRP Effluent 2Q21 Sample Date: 4/6/2021	AS Effluent 2Q21 4/6/2021
<u>VOCs by Method TO-15 (µg/m³)</u>		
1,1,1-Trichloroethane	11	U
1,1-Dichloroethane	10	U
1,2-Dichloroethene, Total	380	21
Benzene	3.5	0.83
Carbon disulfide	17	U
Chloroethane	14	13
Chloromethane	U	1.6
Methyl Ethyl Ketone	U	1.9
n-Heptane	4.0	U
n-Hexane	5.4	1.6
Toluene	4.4	2.3
Trichlorofluoromethane	U	1.2
Trichloroethene	43	U
Vinyl chloride	110	0.61
Total Detected VOCs (µg/m³)	602	44
Vacuum (inches Hg)	20	0.405
Air Flow Rate (acfm)	151	325
VOC discharge loading (lb/hr)	0.00034	0.00005
Total VOC discharge loading (lb/hr)	0.0004	
Notes: 1. µg/m³ = micrograms per cubic meter 2. acfm = actual cubic feet per minute 3. Hg = Mercury 4. scfm = standard cubic feet per minute 5. lb/hr = pounds per hour 6. LRP Effluent represents the untreated vapor discharge for the Liquid Ring Pump. 7. AS Effluent represents the untreated vapor discharge for the Air Stripper. Qualifiers: U - Not detected at or above reporting limit (reporting limit not included in the Total Detected VOCs).		

Table 10

Volatile Organic Compound Mass Removed - Aqueous Phase
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID Sample Date	Influent Third Quarter 2020	Influent Fourth Quarter 2020	Influent First Quarter 2021	Influent Second Quarter 2021
VOCs (Method 8260) (µg/L)				
Acetone	3.9 J	ND	3.1 J	11
2-Butanone (MEK)	ND	ND	ND	1.9 J
Chloroethane	ND	16	19	ND
cis-1,2-Dichloroethene	2.2	ND	2.6	4.2
Methylene Chloride	ND	1.9	ND	ND
Total VOCs (µg/L)	6	18	25	17
Totalizer Readings (gallons)	894,097 (4/9/20) 1,051,610 (7/21/20)	1,051,610 (7/21/20) 1,140,370 (10/7/20)	1,140,370 (10/7/20) 1,346,060 (1/19/21)	1,346,060 (1/19/21) 1,454,090 (4/6/21)
Gallons Processed	157,513	88,760	205,690	108,030
VOCs Removed (pounds)	0.008	0.013	0.042	0.015
Total VOCs Removed (pounds)	0.08			

Notes:

1. µg/L = micrograms per liter
2. Influent - Represents the combined dual phase extraction and groundwater collection trench influent to the air stripper.
3. Dates are indicated next to the air stripper totalizer readings.
4. Totalizer readings from the air stripper effluent.

Qualifiers:

J - Indicates compounds detected as estimated.

ND - Indicates compounds not detected above the quantitation limit.

Table 11

Volatile Organic Compound Mass Removed - Vapor Phase
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID: Sample Date:	LRP Effluent 3Q20 7/21/2020	AS Effluent 3Q20 7/21/2020	LRP Effluent 4Q20 10/7/2020	AS Effluent 4Q20 10/7/2020	LRP Effluent 1Q21 1/19/2021	AS Effluent 1Q21 1/19/2021	LRP Effluent 2Q21 4/6/2021	AS Effluent 2Q21 4/6/2021
VOCs by Method TO-15 (µg/m³)								
1,2,4-Trimethylbenzene	- U	3.8	- U	- U	- U	- U	- U	- U
1,1,1-Trichloroethane	8.8	- U	7.9	- U	- U	- U	11	- U
1,1-Dichloroethane	6.9	- U	10	- U	7.4	0.85	10	- U
1,1-Dichloroethene	- U	- U	2.5	- U	- U	- U	- U	- U
1,2-Dichloroethene, Total	370	11	1.9	4.8	400	4.4	380	21 U
1,3-Dichlorobenzene	- U	1.7	3.3	2.0	- U	- U	- U	- U
1,2,4-Trimethylbenzene	- U	- U	1.0	- U	- U	- U	- U	- U
4-Ethyltoluene	- U	1.4	- U	- U	- U	- U	- U	- U
Acetone	- U	29	- U	- U	- U	- U	- U	- U
Benzene	- U	0.64	0.84	- U	- U	0.72	3.5	0.83
Carbon disulfide	- U	11	- U	5.4	10	- U	17	- U
Chloroethane	- U	- U	15	- U	15	71	14	13
Chloromethane	- U	- U	- U	- U	- U	1.3	- U	1.6
Cyclohexane	- U	1.6	- U	- U	- U	- U	- U	- U
Dichlorodifluoromethane	- U	3.5	- U	- U	- U	- U	- U	- U
Isopropyl Alcohol	- U	20	- U	- U	- U	- U	- U	- U
m,p-Xylene	- U	10	- U	- U	- U	- U	- U	- U
o-Xylene	- U	4.1	- U	- U	- U	- U	- U	- U
Methyl Ethyl Ketone	- U	24	2.4	- U	8.2	- U	- U	1.9
n-Heptane	- U	1.0	- U	- U	- U	- U	4.0	- U
n-Hexane	- U	1.8	- U	- U	- U	0.78	5.4	1.6
Styrene	- U	1.9	- U	- U	- U	- U	- U	- U
Tetrachloroethene	- U	1.7	- U	- U	- U	- U	- U	- U
Toluene	4.3	8.2	4.5	1.9	- U	2.1	4.4	2.3
Trichlorofluoromethane	- U	- U	- U	- U	- U	1.4	- U	1.2
Trichloroethene	13	- U	31	- U	21	- U	43	- U
Vinyl chloride	220	- U	- U	- U	380	0.99	110	0.16
Total Detected VOCs (µg/m³)	623	136	80	14	842	84	602	44
Vacuum (inches Hg)	18	0.405	20	0.405	25	0.405	20	0.405
Air Flow Rate (acfm)	55	308	162	307	150	307	151	325
VOC discharge loading (lb/hr)	0.00013	0.00016	0.00005	0.00002	0.00047	0.00010	0.00034	0.00005
LRP/AS Runtime (hours)	2472	2472	1872	1872	2496	2496	1848	1848
VOCs Removed (pounds)	0.70		0.12		1.42		0.72	
Total VOCs Removed (pounds)	2.96							

Notes:

1. µg/m³ = micrograms per cubic meter
2. acfm = actual cubic feet per minute
3. Hg = Mercury
4. lb/hr = pounds per hour
5. LRP Effluent represents the untreated vapor discharge for the Liquid Ring Pump.
6. AS Effluent represents the vapor discharge from the Air Stripper.

Table 12

**Combined DPE Remediation System Operation and Maintenance Schedule
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Frequency	Operation and Maintenance Activity
Weekly	Record System Operational Parameters Inspect All Piping, Mechanical, and Electrical Components Check/Fill LRP Seal Fluid Change Bag Filters/Clean Housings
Quarterly	Clean System Components (KO Tank, Hold Tank, Air Stripper)
Annually	Replace LRP Seal Fluid Change KO Tank Filter Replace LRP Separator Element Perform DPE Well and Conveyance Lines Scale Abatement Activity

Notes:

DPE: Dual Phase Extraction

KO: Knockout

LRP: Liquid Ring Pump

Table 13

Proposed Groundwater Monitoring Schedule - July 2021 through April 2022
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Event Date	Number of Locations Scheduled for Sampling	Locations Scheduled for Sampling			
Quarterly Groundwater Monitoring					
July 2021	18	MW-2	MW-3	MW-4	MW-8R
		MW-11	MW-13S	MW-13D	MW-16S
		MW-16D	DPE-1	DPE-2	DPE-3
		DPE-4	DPE-5	DPE-6	DPE-7
		DPE-8	GWCT		
October 2021	18	MW-2	MW-3	MW-4	MW-8R
		MW-11	MW-13S	MW-13D	MW-16S
		MW-16D	DPE-1	DPE-2	DPE-3
		DPE-4	DPE-5	DPE-6	DPE-7
		DPE-8	GWCT		
January 2022	18	MW-2	MW-3	MW-4	MW-8R
		MW-11	MW-13S	MW-13D	MW-16S
		MW-16D	DPE-1	DPE-2	DPE-3
		DPE-4	DPE-5	DPE-6	DPE-7
		DPE-8	GWCT		
Comprehensive Annual Groundwater Monitoring					
April 2022	23	MW-2	MW-3	MW-4	MW-8R
		MW-9	MW-11	MW-13S	MW-13D
		MW-14S	MW-14D	MW-15S	MW-15D
		MW-16S	MW-16D	DPE-1	DPE-2
		DPE-3	DPE-4	DPE-5	DPE-6
		DPE-7	DPE-8	GWCT	

Notes:

MW-## - Monitoring Well

MW-##S - Shallow Piezometer

MW-##D - Deep Piezometer

DPE-## - Dual Phase Extraction Well

GWCT - Groundwater Collection Trench

Table 14

Proposed Monitoring and Compliance Sampling Summary
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Location/Type	Matrix	Analytical Parameter							Comments
		VOCs (aqueous)	TOC (aqueous)	MNA (aqueous)	TPH (aqueous)	TSS (aqueous)	pH (aqueous)	VOCs (vapor)	
Quarterly BSA Sampling - 4 Events									
Air Stripper Influent	aqueous	1	0	0	1	1	1	0	Four grabs over 8 hour process day
Air Stripper Effluent	aqueous	1	0	0	1	1	1	0	Four grabs over 8 hour process day
Trip Blank	aqueous	1	0	0	0	0	0	0	Quality Assurance/Quality Control
Per Event		3	0	0	2	2	2	0	
Sub-Total		12	0	0	8	8	8	0	
Remedial Action Compliance Sampling									
Quarterly - 3 Events									
Primary Samples	aqueous	18	9	0	0	0	0	0	Wells: MW-2, MW-3, MW-4, MW-8R, MW-11, MW-13S, MW-13D, MW-16S, MW-16D, DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-6, DPE-7, DPE-8, GWCT
Duplicate	aqueous	1	0	0	0	0	0	0	Quality Assurance/Quality Control
Trip Blank	aqueous	1	0	0	0	0	0	0	Quality Assurance/Quality Control
Rinsate Blank	aqueous	1	0	0	0	0	0	0	Quality Assurance/Quality Control
Air Stripper Effluent	air	0	0	0	0	0	0	1	Air Discharge Limit Compliance
LRP Effluent	air	0	0	0	0	0	0	1	Air Discharge Limit Compliance
Per Event		21	9	0	0	0	0	2	
Subtotal		63	27	0	0	0	0	6	
Annual Event - 1 Event									
Primary Samples	aqueous	23	14	0	0	0	0	0	Wells: MW-2, MW-3, MW-4, MW-8R, MW-9, MW-11, MW-13S, MW-13D, MW-14S, MW-14D, MW-15S, MW-15D, MW-16S, MW-16D, DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-6, DPE-7, DPE-8, GWCT
Subset Samples	aqueous	0	0	6	0	0	0	0	Wells: MW-4, MW-8R, MW-11, MW-13S, MW-16S, MW-16D
Trip Blank	aqueous	1	0	0	0	0	0	0	Quality Assurance/Quality Control
Duplicate	aqueous	1	0	0	0	0	0	0	Quality Assurance/Quality Control
Rinsate Blank	aqueous	1	0	0	0	0	0	0	Quality Assurance/Quality Control
Air Stripper Effluent	air	0	0	0	0	0	0	1	Air Discharge Limit Compliance
LRP Effluent	air	0	0	0	0	0	0	1	Air Discharge Limit Compliance
Subtotal		26	24	6	0	0	0	2	
Total		101	51	6	8	8	8	8	

Methods:

Volatile organic compounds (VOCs) by USEPA SW-846 Method 8260C (aqueous)

Total organic carbon (TOC) by USEPA SW-846 Method 9060A (aqueous); not to include DPE wells or GWCT.

Monitored natural attenuation (MNA) by RSK-175 (Methane, Ethane and Ethene) and by EPA Method 300.0 (Chloride). Note additional MNA analyses may be added.

Total extractable hydrocarbons (TPH) by 40 CFR 136 Method 160.2

Total suspended solids (TSS) by 40 CFR 136 Method 1664

pH by 40 CFR 136 Method 150.1

VOCs by USEPA Method TO-15 (air)

MW - Monitoring Well

DPE - Dual Phase Extraction

GWCT - Groundwater Collection Trench

Appendix A

Former Scott Aviation Plant 2 O&M Checklist

AECOM Technical Services, Inc.
SCOTT AVIATION WEST OF PLANT 2 O&M CHECKLIST (updated 4/2021)

Date: _____	Weather: _____
Time: _____	Field Technician Name: _____

DPE Process Room

DPE Wells (indicate if well is in operation)

DPE-1 _____	DPE-5 _____
DPE-2 _____	DPE-6 _____
DPE-3 _____	DPE-7 _____
DPE-4 _____	DPE-8 _____

Comments: _____

LRP Tank Exhaust Temperature - _____ °F	LRP Flow Rate - _____ x1000 FPM
LRP Filter Pressure - _____ PSI	KO Tank Vacuum - _____ "Hg
LRP Oil Level - _____	
LRP Inlet Vacuum - _____ "Hg	
LRP Exhaust Temperature - _____ °F	
LRP Hour Meter _____ HRS	

Comments: _____

DPE Control Room

LRP Hour Meter - _____	HRS
KO Tank Hour Meter - _____	HRS
Hold Tank Hour Meter - _____	HRS

Comments: _____

Groundwater Treatment Building

GW Trench Totalizer _____	GAL	Air Stripper Vacuum - _____	"H ₂ O
Air Stripper Effluent Flowrate - _____	GPM	Air Stripper Flow - _____	"H ₂ O
Air Stripper Effluent Totalizer (T1) - _____	GAL	AS Flow Gauge - _____	SCFM
Air Stripper Effluent Totalizer (T2) - _____	GAL		
Air Stripper Effluent Temperature - _____	°F		

Comments: _____

Appendix B

April 2021 Field Forms

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)4/6/2021

Field PersonnelTony Ye / Ann Marie Kropovitch

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60538931

Well ID #MW-2

Upgradient

Downgradient

Weather ConditionsClear / Sunny

Air Temperature63 ° F

Total Depth (TWD) Below Top of Casing = 16.4 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 5.38 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 11.02 1/100 ft

1 Casing Volume (OCV) = LWC x 0.0408 = 0.4 gal

3 Casing Volumes = 1.35 gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed2.0 gal

Casing Diameter2 inches

Casing MaterialPVC

Measuring Point Elevation690.35 1/100 ft

Height of Riser (above land surface) 1/100 ft

Land Surface Elevation 1/100 ft

Screened Interval (below land surface) 7-17 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	150	150	150	150	150		
Time (Military)	12:32	12:37	12:44	12:50	12:56	13:01		
Depth to Groundwater Below Top of Casing (ft)	6.42	7.40	8.04	8.29	8.58	8.75		
Drawdown (ft)	1.04	2.02	2.66	2.91	3.20	3.37		
pH (S.U.)	7.47	6.47	6.54	6.57	6.67	6.68		
Sp. Cond. (mS/cm)	1.520	0.915	0.931	0.921	0.669	0.586		
Turbidity (NTUs)	19.40	9.98	12.82	11.60	12.70	11.00		
Dissolved Oxygen (mg/L)	6.46	3.20	2.17	2.08	1.88	1.77		
Water Temperature (°C)	11.57	11.16	11.27	11.18	10.74	10.60		
ORP (mV)	-53.80	-64.70	-68.50	-70.00	-68.50	-65.80		

Physical appearance at start

Color

Clear

Physical appearance at sampling

Color

Clear

Odor

None

Odor

None

Sheen/Free Product

None

Sheen/Free Product

COMMENTS/OBSERVATIONS

Start purging at 1229. Start sampling at 1304.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)4/6/2021

Field PersonnelTony Ye / Ann Marie Kropovitch

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60538931

Well ID #MW-3

Upgradient

Downgradient

Weather ConditionsClear / Sunny

Air Temperature63 ° F

Total Depth (TWD) Below Top of Casing = 281/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 7.961/100 ft

Length of Water Column (LWC) = TWD - DGW = 20.041/100 ft

1 Casing Volume (OCV) = LWC x 0.0408 = 0.8 gal

3 Casing Volumes = 2.45 gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed1.5 gal

Casing Diameter2 inches

Casing MaterialPVC

Measuring Point Elevation687.051/100 ft

Height of Riser (above land surface)1.151/100 ft

Land Surface Elevation685.91/100 ft

Screened Interval (below land surface)7.5 - 27.51/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	150	175	150	150	150			
Time (Military)	14:36	14:42	14:47	1:53	15:09			
Depth to Groundwater Below Top of Casing (ft)	9.83	10.44	11.53	12.50	13.18			
Drawdown (ft)	1.87	2.48	3.57	4.54	5.22			
pH (S.U.)	7.47	7.17	7.15	7.06	7.07			
Sp. Cond. (mS/cm)	1.520	0.724	0.722	0.728	0.747			
Turbidity (NTUs)	19.40	24.90	20.40	12.90	12.04			
Dissolved Oxygen (mg/L)	2.88	1.78	1.52	1.32	1.13			
Water Temperature (°C)	12.45	12.05	11.98	12.79	13.24			
ORP (mV)	94.00	68.20	57.30	47.70	38.50			

Physical appearance at start

ColorClear

OdorNone

Sheen/Free ProductNone

Physical appearance at sampling

ColorClear

OdorNone

Sheen/Free ProductNone

COMMENTS/OBSERVATIONSStart purging at 1433. Start sampling at 1515.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	<u>4/8/2021</u>		Casing Diameter	<u>2</u>		inches	
Field Personnel	<u>Tony Ye / Ann Marie Kropovitch</u>		Casing Material	<u>PVC</u>			
Site Name	<u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation	<u>686.5</u>		1/100 ft	
Job #	<u>60538931</u>		Height of Riser (above land surface)	<u>-0.39</u>		1/100 ft	
Well ID #	<u>MW-4</u>		Land Surface Elevation	<u>686.89</u>		1/100 ft	
	<u> </u> Upgradient	<u> </u> Downgradient	Screened Interval (below land surface)	<u>15.5 - 25.5</u>		1/100 ft	
Weather Conditions	<u>Sunny / Clear</u>						
Air Temperature	<u>63</u>	° F					
Total Depth (TWD) Below Top of Casing =	<u>26</u>	1/100 ft					
Depth to Groundwater (DGW) Below Top of Casing =	<u>9.15</u>	1/100 ft					
Length of Water Column (LWC) = TWD - DGW =	<u>16.85</u>	1/100 ft					
1 Casing Volume (OCV) = LWC x	<u>0.0408</u>	=	<u>0.69</u>	gal			
3 Casing Volumes =	<u>2.06</u>	gal					
Method of Well Evacuation	<u>Peristaltic Pump</u>						
Method of Sample Collection	<u>Peristaltic Pump/Poly Tubing</u>						
Total Volume of Water Removed	<u>1.5</u>	gal					

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
Various	MNA	multiple	Various	

FIELD ANALYSES

Flow Rate (ml/min)	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>			
Time (Military)	<u>9:10</u>	<u>9:16</u>	<u>9:22</u>	<u>9:28</u>	<u>9:36</u>			
Depth to Groundwater Below Top of Casing (ft)	<u>10.26</u>	<u>12.00</u>	<u>11.25</u>	<u>14.45</u>	<u>15.20</u>			
Drawdown (ft)	<u>1.11</u>	<u>2.85</u>	<u>2.10</u>	<u>5.30</u>	<u>6.05</u>			
pH (S.U.)	<u>7.47</u>	<u>7.51</u>	<u>7.50</u>	<u>7.56</u>	<u>7.60</u>			
Sp. Cond. (mS/cm)	<u>1.520</u>	<u>1.480</u>	<u>1.491</u>	<u>1.496</u>	<u>1.515</u>			
Turbidity (NTUs)	<u>19.40</u>	<u>12.08</u>	<u>10.31</u>	<u>10.51</u>	<u>11.76</u>			
Dissolved Oxygen (mg/L)	<u>2.15</u>	<u>1.36</u>	<u>1.02</u>	<u>0.89</u>	<u>0.81</u>			
Water Temperature (°C)	<u>11.94</u>	<u>11.34</u>	<u>11.52</u>	<u>11.51</u>	<u>11.64</u>			
ORP (mV)	<u>-150.90</u>	<u>-154.30</u>	<u>-169.00</u>	<u>-169.50</u>	<u>-170.40</u>			

Physical appearance at start Color Clear

 Odor Slight

Sheen/Free Product None

Physical appearance at sampling Color Clear

 Odor Slight

Sheen/Free Product None

COMMENTS/OBSERVATIONS	<u>Start purging at 0907. Start sampling at 0940.</u>

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) _____	4/7/2021	
Field Personnel _____	Tony Ye / Ann Marie Kropovitch	
Site Name _____	Former Scott Aviation Site - Lancaster, NY	
Job # _____	60538931	
Well ID # _____	MW-8R	
_____ Upgradient	_____ Downgradient	
Weather Conditions _____	Sunny / Hot	
Air Temperature _____	72	° F
Total Depth (TWD) Below Top of Casing = _____	27.5	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = _____	10.05	1/100 ft
Length of Water Column (LWC) = TWD - DGW = _____	7.4	1/100 ft
1 Casing Volume (OCV) = LWC x _____	0.0408	= _____ 0.3 gal
3 Casing Volumes = _____	0.91	gal
Method of Well Evacuation _____	Peristaltic Pump	
Method of Sample Collection _____	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed _____	1.5	gal

Casing Diameter _____	4	inches
Casing Material _____	PVC	
Measuring Point Elevation _____	686.29	1/100 ft
Height of Riser (above land surface) _____	-0.29	1/100 ft
Land Surface Elevation _____	686.58	1/100 ft
Screened Interval (below land surface) _____	14 - 24	1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
Various	MNA	multiple	Various	

	150	150	100	100				
Flow Rate (ml/min)	150	150	100	100				
Time (Military)	15:39	15:46	15:51	15:56				
Depth to Groundwater Below Top of Casing (ft)	11.20	12.95	13.95	14.85				
Drawdown (ft)	1.15	2.90	3.90	4.80				
pH (S.U.)	7.30	7.29	7.38	7.34				
Sp. Cond. (S/cm)	0.812	0.819	0.834	0.842				
Turbidity (NTUs)	1017 (AU)	42.00	44.00	46.00				
Dissolved Oxygen (g/L)	1.91	0.76	0.69	0.63				
Water Temperature (°C)	14.27	13.70	14.21	14.63				
ORP (mV)	-168.10	-179.20	-192.70	-185.80				

Physical appearance at start	Color	Muddy/Brown	Physical appearance at sampling	Color	Cloudy
	Odor	None		Odor	None
Sheen/Free Product		None	Sheen/Free Product		None

COMMENTS/OBSERVATIONS Start purging at 1528. Start sampling at 1602.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 4/7/2021
Field Personnel Tony Ye / Ann Marie Kropovitch
Site Name Former Scott Aviation Site - Lancaster, NY
Job # 60538931
Well ID # MW-13D
 Upgradient Downgradient
Weather Conditions Clear / Sunny
Air Temperature 68 ° F
Total Depth (TWD) Below Top of Casing = 23.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 8 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 15.5 1/100 ft
1 Casing Volume (OCV) = LWC x 0.0408 = 0.6 gal
3 Casing Volumes = 1.90 gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 2.0 gal

Casing Diameter 1 inches
Casing Material PVC
Measuring Point Elevation 685.88 1/100 ft
Height of Riser (above land surface) -0.36 1/100 ft
Land Surface Elevation 686.24 1/100 ft
Screened Interval (below land surface) 19.5-23.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	125	125	100	100	100	100	
Time (Military)	12:31	12:42	12:47	12:53	12:58	13:03	13:07
Depth to Groundwater Below Top of Casing (ft)	9.70	11.75	13.20	13.90	14.60	14.8	15.1
Drawdown (ft)	1.70	3.75	5.20	5.90	6.60	6.80	7.10
pH (S.U.)	6.94	6.79	6.81	6.84	6.86	6.82	6.79
Sp. Cond. (mS/cm)	1.060	1.080	1.085	1.113	1.125	1.142	1.153
Turbidity (NTUs)	7.87	3.82	4.21	5.66	4.20	6.93	4.30
Dissolved Oxygen (mg/L)	3.44	1.56	1.17	1.02	1.00	0.99	0.96
Water Temperature (°C)	12.68	12.32	12.86	13.74	13.37	14.18	14.43
ORP (mV)	-30.90	-78.00	-82.60	-87.40	-88.30	-98.3	-93.1

Physical appearance at start Color Clear
Odor None

Physical appearance at sampling Color Clear
Odor None

Sheen/Free Product None

Sheen/Free Product None

COMMENTS/OBSERVATIONS Start purging at 1228. Start sampling at 1310.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) <u>4/8/2021</u>		Casing Diameter <u>1</u> inches	
Field Personnel <u>Tony Ye / Ann Marie Kropovitch</u>		Casing Material <u>PVC</u>	
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>687.52</u> 1/100 ft	
Job # <u>60538931</u>		Height of Riser (above land surface) <u>-0.33</u> 1/100 ft	
Well ID # <u>MW-15S</u>		Land Surface Elevation <u>687.85</u> 1/100 ft	
☐ Upgradient ☐ Downgradient		Screened Interval (below land surface) <u>12-18</u> 1/100 ft	
Weather Conditions <u>Sunny / Clear</u>			
Air Temperature <u>73</u> ° F			
Total Depth (TWD) Below Top of Casing = <u>18</u> 1/100 ft			
Depth to Groundwater (DGW) Below Top of Casing = <u>0.75</u> 1/100 ft			
Length of Water Column (LWC) = TWD - DGW = <u>17.25</u> 1/100 ft			
1 Casing Volume (OCV) = LWC x <u>0.0408</u> = <u>0.7038</u> gal			
3 Casing Volumes = <u>2.11</u> gal			
Method of Well Evacuation <u>Peristaltic Pump</u>			
Method of Sample Collection <u>Peristaltic Pump/Poly Tubing</u>			
Total Volume of Water Removed <u>3.0</u> gal			

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

	200	200	200	200	200	200	200
Flow Rate (ml/min)	200	200	200	200	200	200	200
Time (Military)	10:45	10:53	10:58	11:06	11:11	11:22	11:32
Depth to Groundwater Below Top of Casing (ft)	3.72	4.52	4.85	5.11	5.19	5.27	5.47
Drawdown (ft)	2.97	3.77	4.10	4.36	4.44	4.52	4.72
pH (S.U.)	10.17	10.78	11.00	11.17	11.62	11.65	11.13
Sp. Cond. (mS/cm)	0.405	0.597	0.724	0.825	0.974	1.122	1.243
Turbidity (NTUs)	9.66	12.40	7.71	10.65	6.22	7.29	4.78
Dissolved Oxygen (mg/L)	1.20	0.85	0.76	0.68	0.61	2.20	0.85
Water Temperature (°C)	13.18	13.50	13.52	13.14	13.49	13.53	13.05
ORP (mV)	-114.0	-149.1	-105.0	-183.1	-192.0	-133.2	-157.1

Physical appearance at start Color <u>Cloudy</u> Odor <u>Slight</u>	Physical appearance at sampling Color <u>Clear</u> Odor <u>Slight</u>
Sheen/Free Product <u>None</u>	Sheen/Free Product <u>None</u>

COMMENTS/OBSERVATIONS Start purging at 1030. Start sampling at 1136.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)4/8/2021

Field PersonnelTony Ye / Ann Marie Kropovitch

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60538931

Well ID #MW-15D

Upgradient

Downgradient

Weather ConditionsSunny / Clear/ Slight Breeze

Air Temperature79 ° F

Total Depth (TWD) Below Top of Casing = 25 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 11.20 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 13.80 1/100 ft

1 Casing Volume (OCV) = LWC x 0.0408 = 0.6 gal

3 Casing Volumes = 1.69 gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed 2.0 gal

Casing Diameter1 inches

Casing MaterialPVC

Measuring Point Elevation687.62 1/100 ft

Height of Riser (above land surface)-0.27 1/100 ft

Land Surface Elevation687.89 1/100 ft

Screened Interval (below land surface)21-25 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	4°C	

FIELD ANALYSES

Flow Rate (ml/min)	150	150	150	150	150	150	
Time (Military)	12:40	12:48	12:53	13:00	13:05	13:10	13:16
Depth to Groundwater Below Top of Casing (ft)	11.45	11.50	11.51	11.51	11.52	11.52	11.53
Drawdown (ft)	0.25	0.30	0.31	0.31	0.32	0.32	0.33
pH (S.U.)	7.47	8.81	8.14	7.92	7.85	7.84	7.81
Sp. Cond. (mS/cm)	0.533	0.541	0.613	0.677	0.717	0.743	0.762
Turbidity (NTUs)	10.74	4.05	22.33	2.83	2.59	2.65	2.26
Dissolved Oxygen (mg/L)	3.13	1.68	1.16	0.95	0.85	0.84	0.79
Water Temperature (°C)	13.40	12.90	13.30	13.20	13.40	13.39	13.38
ORP (mV)	-79.50	-117.50	-135.70	-141.10	-155.50	-163.9	-161.7

Physical appearance at start

ColorClear

OdorNo Odor

Sheen/Free ProductNone

Physical appearance at sampling

ColorClear

OdorNo Odor

Sheen/Free ProductNone

COMMENTS/OBSERVATIONS

Start purging at 1238. Start sampling at 1320.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) <u>4/07/2021 - 4/09/2021</u>		Casing Diameter <u>1</u> inches	
Field Personnel <u>Tony Ye / Ann Marie Kropovitch</u>		Casing Material <u>PVC</u>	
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>688.15</u> 1/100 ft	
Job # <u>60538931</u>		Height of Riser (above land surface) <u>2.46</u> 1/100 ft	
Well ID # <u>MW-16S</u>		Land Surface Elevation <u>685.69</u> 1/100 ft	
☐ Upgradient	☐ Downgradient	Screened Interval (below land surface) <u>12 - 18</u> 1/100 ft	
Weather Conditions <u>Sunny / Clear</u>			
Air Temperature <u>55</u> ° F			
Total Depth (TWD) Below Top of Casing = <u>15.4</u> 1/100 ft			
Depth to Groundwater (DGW) Below Top of Casing = <u>6.13</u> 1/100 ft			
Length of Water Column (LWC) = TWD - DGW = <u>6.71</u> 1/100 ft			
1 Casing Volume (OCV) = LWC x <u>0.0408</u> = <u>0.3</u> gal			
3 Casing Volumes = <u>0.82</u> gal			
Method of Well Evacuation <u>Peristaltic Pump</u>			
Method of Sample Collection <u>Peristaltic Pump/Poly Tubing</u>			
Total Volume of Water Removed <u>1.5</u> gal			

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	
Various	MNA	multiple	Various	

FIELD ANALYSES							
Flow Rate (ml/min)	150	100	100	100	100		
Time (Military)	9:28	16:42	16:46	16:49	8:22		
Depth to Groundwater Below Top of Casing (ft)	14.60	12.75	13.85	Dry	Dry		
Drawdown (ft)	8.47	6.62	7.72	-	-		
pH (S.U.)	6.62	6.93	6.69	6.69	6.84		
Sp. Cond. (mS/cm)	1.572	2.224	2.140	2.237	1.809		
Turbidity (NTUs)	5.72	21.70	14.60	28.00	28.00		
Dissolved Oxygen (mg/L)	6.30	2.24	1.32	1.09	2.24		
Water Temperature (°C)	9.42	11.95	12.15	12.99	10.48		
ORP (mV)	-79.90	-98.30	-101.00	-100.70	-101.00		

Physical appearance at start	Color <u>Clear</u>	Physical appearance at sampling	Color <u>Clear</u>
	Odor <u>Strong</u>		Odor <u>Strong</u>
Sheen/Free Product <u>None</u>		Sheen/Free Product <u>None</u>	

COMMENTS/OBSERVATIONS Start purging at 0925. Start sampling at 0825 on 04/08/2021. Collected remaining samples on 04/09/2021.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)4/7/2021

Field PersonnelTony Ye / Ann Marie Kropovitch

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60538931

Well ID #MW-16D

Upgradient

Downgradient

Weather ConditionsClear / Sunny

Air Temperature55 ° F

Total Depth (TWD) Below Top of Casing = 241/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 10.71/100 ft

Length of Water Column (LWC) = TWD - DGW = 13.31/100 ft

1 Casing Volume (OCV) = LWC x 0.0408 = 0.5 gal

3 Casing Volumes = 1.63 gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed2.5 gal

Casing Diameter1 inches

Casing MaterialPVC

Measuring Point Elevation688.161/100 ft

Height of Riser (above land surface)2.471/100 ft

Land Surface Elevation685.691/100 ft

Screened Interval (below land surface)20-241/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
Various	MNA	multiple	Various	

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100	100	150	150
Time (Military)	9:48	9:53	9:58	10:03	10:08	10:12	10:18	10:25
Depth to Groundwater Below Top of Casing (ft)	13.04	13.71	13.85	14.10	14.81	14.98	15.67	16.21
Drawdown (ft)	2.34	3.01	3.15	3.40	4.11	4.28	4.97	5.51
pH (S.U.)	7.13	7.36	7.34	7.39	7.43	7.40	7.47	7.47
Sp. Cond. (mS/cm)	0.787	0.768	0.753	0.749	0.750	0.750	0.745	0.746
Turbidity (NTUs)	10.45	9.49	9.66	4.37	6.57	5.1	2.53	2.86
Dissolved Oxygen (g/L)	3.35	1.97	1.72	1.40	1.28	1.17	1.04	0.92
Water Temperature (°C)	11.97	12.25	11.85	11.98	12.03	12.11	12.00	12.10
ORP (mV)	-120.10	-136.30	-141.10	-147.60	-150.70	-152.70	-155.20	-158.50

Physical appearance at start

ColorClear

OdorSlight

Sheen/Free ProductNone

Physical appearance at sampling

ColorClear

OdorSlight

Sheen/Free ProductNone

COMMENTS/OBSERVATIONS

Start purging at 0942. Start sampling at 1026.

Appendix C

Current and Historical Summary of Groundwater Elevations

**MONITORING WELL MW-2
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	7.29	683.06
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	5.92	684.43
4/14/2005	6.50	683.85
7/20/2005	7.77	682.58
10/4/2005	6.08	684.27
1/5/2006	9.56	680.79
4/11/2006	6.65	683.70
7/10/2006	7.79	682.56
10/18/2006	6.11	684.24
1/9/2007	6.27	684.08
2/28/2007	5.20	685.15
4/16/2007	5.99	684.36
7/2/2007	7.22	683.13
10/15/2007	8.15	682.20
1/8/2008	5.73	684.62
4/2/2008	5.95	684.40
7/1/2008	4.90	685.45
9/30/2008	7.40	682.95
1/19/2009	6.75	683.60
4/14/2009	6.15	684.20
7/21/2009	6.25	684.10
10/14/2009	5.85	684.50
1/18/2010	7.00	683.35
4/8/2010	5.45	684.90
7/12/2010	6.10	684.25
10/11/2010	7.00	683.35
1/11/2011	6.80	683.55
4/4/2011	5.70	684.65
7/25/2011	4.75	685.60
10/3/2011	4.13	686.22
1/12/2012	6.40	683.95
4/2/2012	6.00	684.35
7/5/2012	6.47	683.88
10/11/2012	7.17	683.18
1/21/2013	6.72	683.63
4/1/2013	6.10	684.25
7/1/2013	6.84	683.51
10/9/2013	6.70	683.65
1/21/2014	6.00	684.35
4/7/2014	4.95	685.40
7/16/2014	6.72	683.63
10/14/2014	6.79	683.56
1/20/2015	7.12	683.23
4/6/2015	5.74	684.61
7/22/2015	6.19	684.16
10/19/2015	5.79	684.56
1/5/2016	6.41	683.94
4/4/2016	5.68	681.42
7/5/2016	5.56	683.12
10/24/2016	5.56	683.12
1/16/2017	6.21	682.47
4/18/2017	6.06	682.47
7/11/2017	6.92	681.76
10/23/2017	6.59	682.09
1/8/2018	6.61	680.39
4/11/2018	5.12	681.88
7/12/2018	6.71	680.29
10/19/2018	6.44	680.56
1/9/2019	5.65	681.35
4/8/2019	5.28	681.72
7/22/2019	6.30	680.70
10/14/2019	7.56	679.44
1/6/2020	7.39	679.61
4/6/2020	7.40	679.60
7/21/2020	6.10	680.90
10/13/2020	6.50	680.50
1/19/2021	6.53	680.47
4/6/2021	5.56	681.44

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 690.35

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

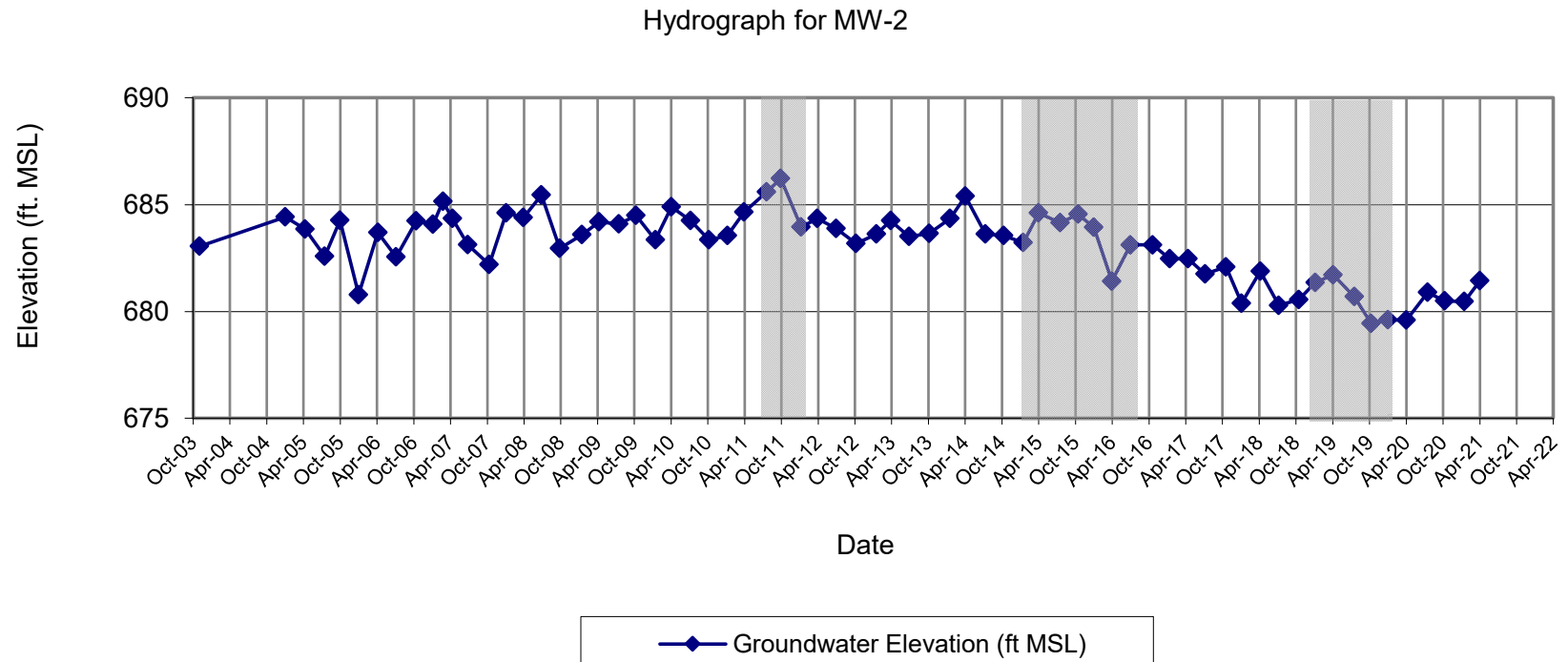
TOC Elevation re-measured June 13, 2008 at 687.1.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-2
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



**MONITORING WELL MW-3
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	12.76	674.96
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	11.65	676.07
4/14/2005	12.64	675.08
7/20/2005	12.73	674.99
10/4/2005	7.38	680.34
1/5/2006	11.31	676.41
4/11/2006	11.84	675.88
7/10/2006	12.31	675.41
10/18/2006	10.82	676.9
1/9/2007	10.99	676.73
2/28/2007	3.99	683.73
4/16/2007	11.87	675.85
7/2/2007	13.35	674.37
10/17/2007	13.1	674.62
1/8/2008	7.61	680.11
4/2/2008	11.71	676.01
7/1/2008	10.75	676.27
9/30/2008	11.95	675.07
1/19/2009	10.94	676.08
4/14/2009	10.94	676.08
7/21/2009	11.51	675.51
10/14/2009	10.75	676.27
1/18/2010	12.38	674.64
4/8/2010	11.02	676.00
7/12/2010	9.18	677.84
10/11/2010	10.9	676.12
1/12/2011	11.3	675.72
4/4/2011	10.7	676.32
7/25/2011	4.38	682.64
10/3/2011	3.14	683.88
1/12/2012	10.65	676.37
4/2/2012	9.81	677.21
7/5/2012	8.56	678.46
10/11/2012	9.77	677.25
1/21/2013	11.15	675.87
4/1/2013	8.56	678.46
7/1/2013	11.85	675.17
10/9/2013	10.43	676.59
1/21/2014	10.45	676.57
4/7/2014	11.77	675.25
7/16/2014	10.29	676.73
10/14/2014	9.65	677.37
1/20/2015	10.15	676.87
4/6/2015	8.94	678.08
7/22/2015	7.98	679.04
10/19/2015	5.15	681.87
1/5/2016	9.01	678.01
4/4/2016	8.00	679.05
7/5/2016	5.86	681.19
10/24/2016	5.86	681.19
1/16/2017	10.58	676.47
4/18/2017	12.29	674.76
7/11/2017	12.65	674.40
10/23/2017	11.80	675.25
1/8/2018	10.12	676.93
4/11/2018	9.58	677.47
7/12/2018	10.98	676.07
10/19/2018	13.40	673.65
1/9/2019	12.32	674.73
4/8/2019	10.09	676.96
7/22/2019	9.24	677.81
10/14/2019	8.61	678.44
1/6/2020	8.14	678.91
4/6/2020	8.93	678.12
7/21/2020	9.14	677.91
10/13/2020	10.41	676.64
1/19/2021	8.73	678.32
4/6/2021	8.10	678.95

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 687.72

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

TOC Elevation re-measured June 13, 2008 at 687.02

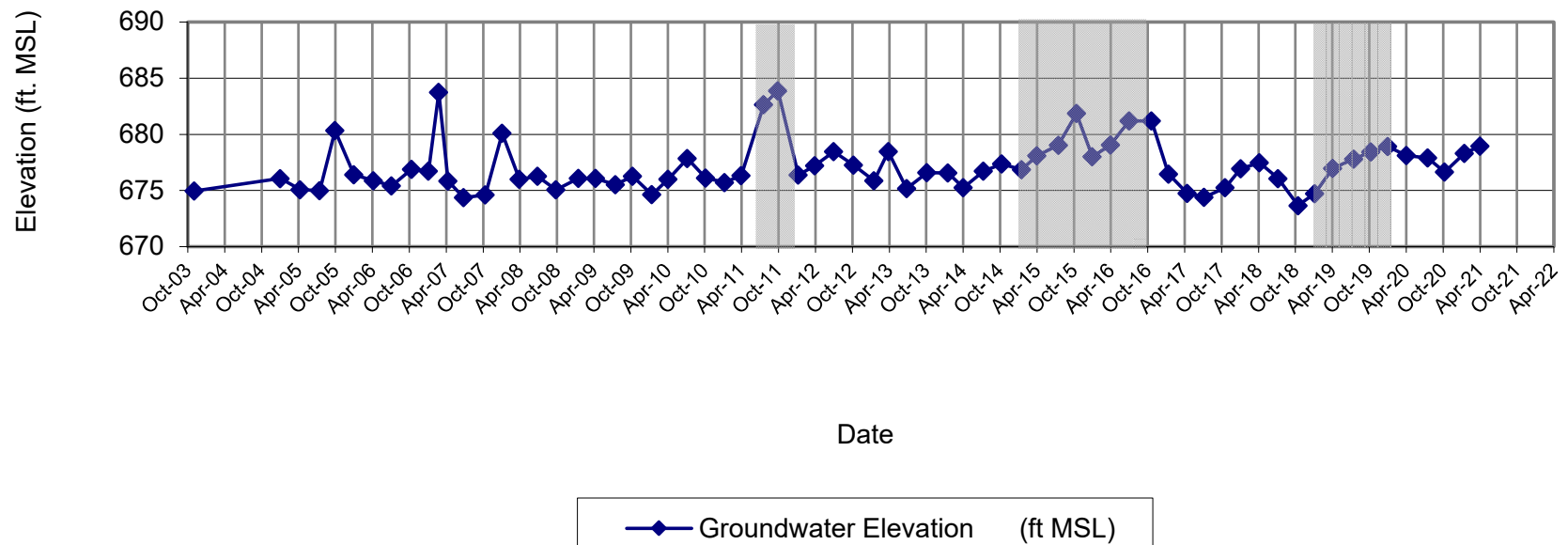
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-3
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-3



MONITORING WELL MW-4
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	8.54	678.10
4/8/2004	NM	NA
10/12/2004	11.40	675.24
1/6/2005	9.20	677.44
4/14/2005	NM	NA
7/20/2005	NM	NA
10/4/2005	15.24	671.40
1/5/2006	15.71	670.93
4/11/2006	18.56	668.08
7/10/2006	15.02	671.62
10/18/2006	15.21	671.43
1/9/2007	14.00	672.64
2/28/2007	2.54	684.10
4/16/2007	12.45	674.19
7/2/2007	14.89	671.75
10/17/2007	12.91	673.73
1/8/2008	5.59	681.05
4/2/2008	9.31	677.33
7/1/2008	13.91	672.51
9/30/2008	13.55	672.87
1/19/2009	10.78	675.64
4/14/2009	8.90	677.52
7/21/2009	12.35	674.07
10/14/2009	10.40	676.02
1/18/2010	8.90	677.52
4/8/2010	10.90	675.52
7/12/2010	14.00	672.42
10/11/2010	16.69	669.73
1/12/2011	16.35	670.07
4/4/2011	17.67	668.75
7/25/2011	2.32	684.10
10/3/2011	2.98	683.44
1/12/2012	13.26	673.16
4/2/2012	13.10	673.32
7/6/2012	9.66	676.76
10/11/2012	18.60	667.82
1/21/2013	17.04	669.38
4/1/2013	18.65	667.77
7/1/2013	19.10	667.32
10/9/2013	10.10	676.32
1/21/2014	NM	NA
4/7/2014	18.85	667.57
7/16/2014	10.74	675.68
10/14/2014	8.52	677.90
1/20/2015	10.95	675.47
4/6/2015	9.05	677.37
7/22/2015	7.55	678.87
10/19/2015	4.59	681.83
1/5/2016	9.92	676.50
4/4/2016	8.20	678.30
7/5/2016	4.94	681.56
10/24/2016	4.94	681.56
1/16/2017	10.80	675.70
4/18/2017	11.92	675.70
7/11/2017	11.30	675.20
10/23/2017	13.06	673.44
1/8/2018	10.45	676.05
4/11/2018	10.55	675.95
7/12/2018	11.57	674.93
10/19/2018	11.57	674.93
1/9/2019	9.95	676.55
4/8/2019	8.83	677.67
7/22/2019	9.15	677.35
10/14/2019	8.39	678.11
1/6/2020	8.57	677.93
4/6/2020	8.57	677.93
7/21/2020	9.11	677.39
10/13/2020	11.72	674.78
1/19/2021	9.78	676.72
4/6/2021	8.84	677.66

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.64

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 686.42.

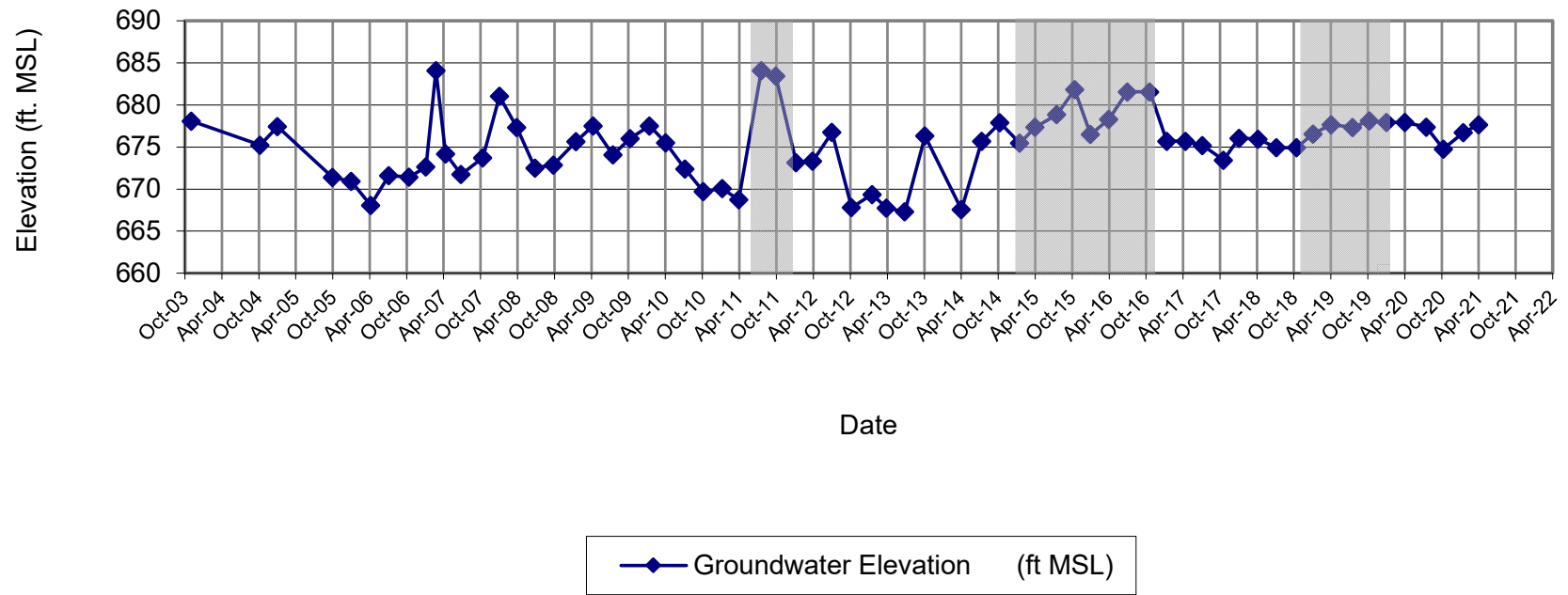
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-4
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-4



MONITORING WELL MW-8R
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	12.75	672.92
1/6/2005	7.45	678.22
4/14/2005	14.45	671.22
7/20/2005	NM	NA
10/4/2005	NM	NA
1/6/2006	15.51	670.16
4/11/2006	15.65	670.02
7/10/2006	14.9	670.77
10/18/2006	15.72	669.95
1/9/2007	15.76	669.91
2/28/2007	10.78	674.89
4/16/2007	15.60	670.07
7/2/2007	16.29	669.38
10/15/2007	18.50	667.17
1/8/2008	4.99	680.68
4/2/2008	13.19	672.48
7/1/2008	12.15	674.06
9/30/2008	15.83	670.38
1/19/2009	11.55	674.66
4/14/2009	11.20	675.01
7/21/2009	13.57	672.64
10/14/2009	12.76	673.45
1/18/2010	11.26	674.95
4/8/2010	14.95	671.26
7/12/2010	13.74	672.47
10/11/2010	12.34	673.87
1/12/2011	13.10	673.11
4/4/2011	14.88	671.33
7/25/2011	3.25	682.96
10/3/2011	4.50	681.71
1/12/2012	12.96	673.25
4/2/2012	11.70	674.51
7/5/2012	10.34	675.87
10/11/2012	13.38	672.83
1/21/2013	14.90	671.31
4/1/2013	10.82	675.39
7/1/2013	12.70	673.51
10/9/2013	9.25	676.96
1/21/2014	NM	NA
4/7/2014	14.55	671.66
7/16/2014	8.97	677.24
10/14/2014	5.85	680.36
1/20/2015	9.80	676.41
4/6/2015	7.55	678.66
7/22/2015	8.22	677.99
10/19/2015	4.90	681.31
1/5/2016	8.95	677.26
4/4/2016	8.10	678.19
7/5/2016	4.99	681.30
10/24/2016	4.99	681.30
1/16/2017	10.35	675.94
4/18/2017	13.68	675.94
7/11/2017	11.60	674.69
10/23/2017	12.06	674.23
4/11/2018	10.05	676.16
7/12/2018	18.78	667.43
10/19/2018	18.60	667.61
1/9/2019	7.95	678.26
4/8/2019	6.80	679.41
7/22/2019	8.00	678.21
10/14/2019	9.91	676.30
1/6/2020	6.81	679.40
4/6/2020	8.71	677.50
7/21/2020	8.15	678.06
10/13/2020	10.39	675.82
1/20/2021	8.89	677.32
4/6/2021	7.55	678.66

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.67

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 686.21.

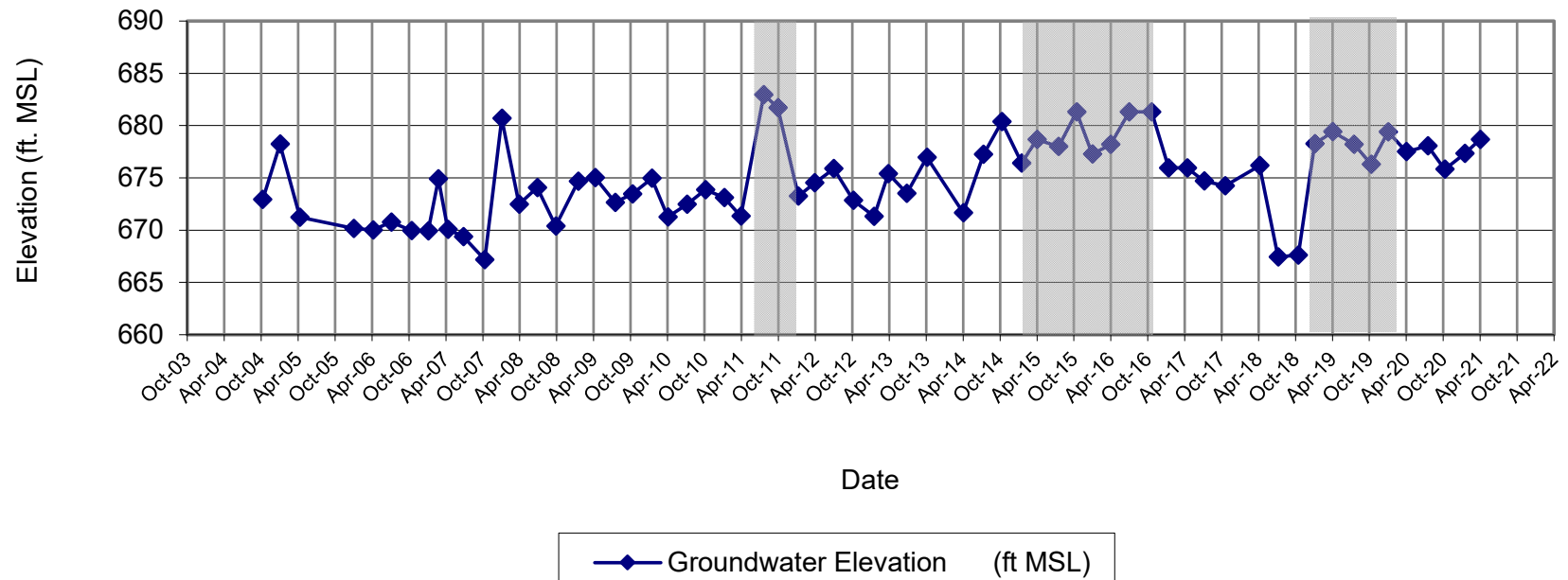
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-8R
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-8R



MONITORING WELL MW-9
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	13.03	672.4
4/8/2004	NM	NA
10/12/2004	13.68	671.75
1/6/2005	12.89	672.54
4/14/2005	12.74	672.69
7/20/2005	13.88	671.55
10/4/2005	7.22	678.21
1/5/2006	12.79	672.64
4/11/2006	13.50	671.93
7/10/2006	13.24	672.19
10/18/2006	11.00	674.43
1/9/2007	12.24	673.19
2/28/2007	1.66	683.77
4/16/2007	13.15	672.28
7/2/2007	13.00	672.43
10/17/2007	13.95	671.48
1/8/2008	6.70	678.73
4/2/2008	10.61	674.82
7/1/2008	14.25	674.39
9/30/2008	15.67	672.97
1/19/2009	14.48	674.16
4/14/2009	15.48	673.16
7/21/2009	15.20	673.44
10/10/2009	15.06	673.58
1/18/2010	17.00	671.64
4/8/2010	15.40	673.24
7/12/2010	12.42	676.22
10/11/2010	14.21	674.43
1/12/2011	15.29	673.35
4/4/2011	14.55	674.09
7/25/2011	5.75	682.89
10/3/2011	4.58	684.06
1/12/2012	14.75	673.89
4/2/2012	14.52	674.12
7/5/2012	11.48	677.16
10/11/2012	12.66	675.98
1/21/2013	14.44	674.20
4/1/2013	11.87	676.77
7/1/2013	16.54	672.10
10/9/2013	13.68	674.96
1/21/2014	15.38	673.26
4/7/2014	16.30	672.34
7/16/2014	13.71	674.93
10/14/2014	13.09	675.55
1/20/2015	13.92	674.72
4/6/2015	12.41	676.23
7/22/2015	10.72	677.92
10/19/2015	7.06	681.58
1/5/2016	12.09	676.55
4/4/2016	11.38	678.19
7/5/2016	7.41	682.16
10/24/2016	7.41	682.16
1/16/2017	13.72	675.85
4/18/2017	14.24	675.85
7/11/2017	15.00	674.57
10/23/2017	14.84	674.73
1/8/2018	13.04	676.53
4/11/2018	13.20	676.37
7/12/2018	14.49	675.08
10/19/2018	14.21	675.36
1/9/2019	13.49	676.08
4/8/2019	12.85	676.72
7/22/2019	12.61	676.96
10/14/2019	11.83	677.74
1/6/2020	10.81	678.76
4/6/2020	12.25	677.32
7/21/2020	12.50	677.07
10/13/2020	14.72	674.85
1/19/2021	12.14	677.43
4/6/2021	11.26	678.31

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.43

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

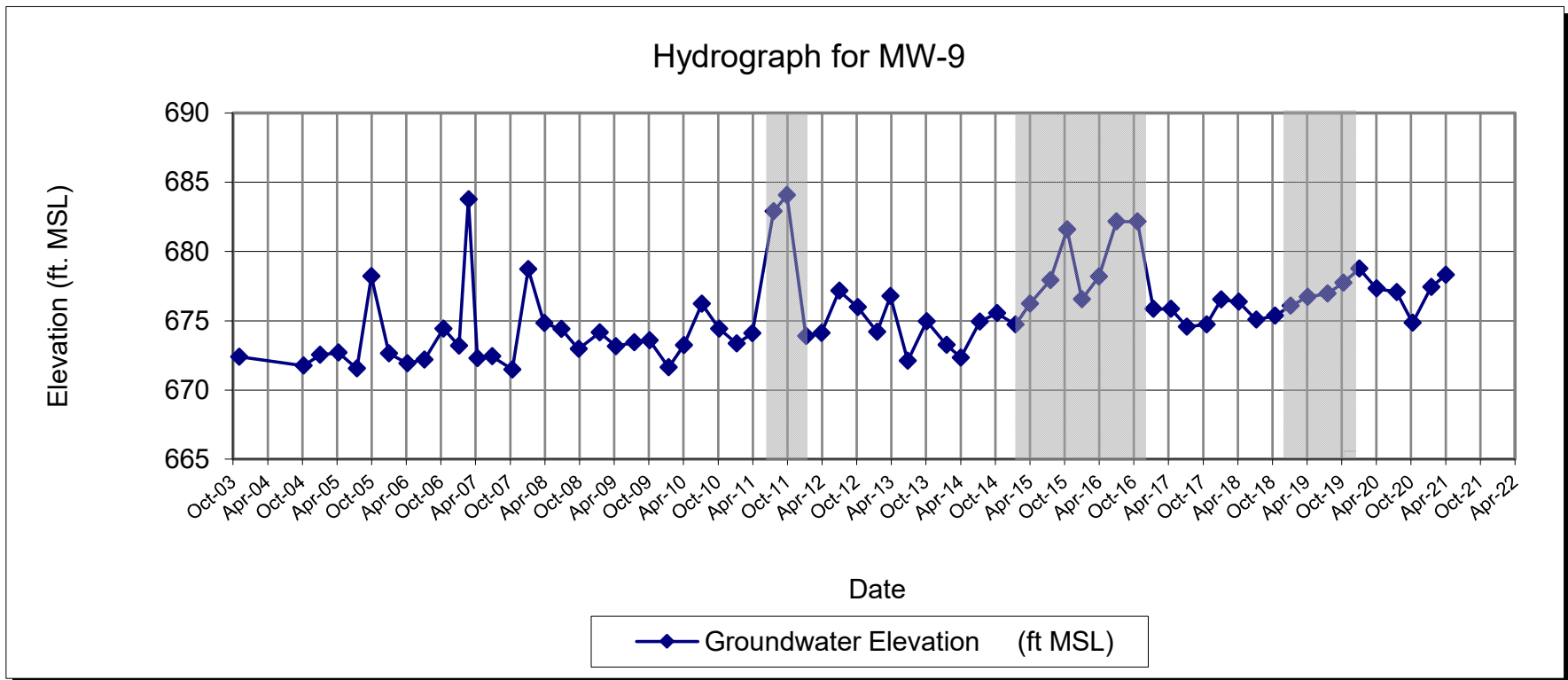
TOC Elevation re-measured on June 13, 2008 at 688.64.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phase of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-9
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-11
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	15.59	673.02
4/14/2005	11.59	677.02
7/20/2005	17.34	671.27
10/4/2005	10.45	678.16
1/5/2006	16.58	672.03
4/11/2006	13.52	675.09
7/10/2006	13.75	674.86
10/18/2006	14.35	674.26
1/9/2007	15.26	673.35
2/28/2007	6.34	682.27
4/16/2007	11.55	677.06
7/2/2007	17.30	671.31
10/16/2007	17.69	670.92
1/8/2008	11.73	676.88
4/2/2008	14.78	673.83
7/1/2008	13.91	674.74
9/30/2008	15.25	673.40
1/19/2009	13.45	675.20
4/14/2009	13.50	675.15
7/21/2009	14.51	674.14
10/14/2009	13.85	674.80
1/18/2010	16.38	672.27
4/8/2010	13.90	674.75
7/12/2010	12.60	676.05
10/11/2010	14.80	673.85
1/12/2011	NM	
4/4/2011	14.52	674.13
7/25/2011	4.48	684.17
10/3/2011	4.05	684.60
1/12/2012	8.96	679.69
4/2/2012	12.87	675.78
7/5/2012	10.53	678.12
10/11/2012	14.40	674.25
1/21/2013	14.75	673.90
4/1/2013	11.66	676.99
7/1/2013	14.99	673.66
10/9/2013	12.25	676.40
1/21/2014	13.75	674.90
4/7/2014	14.56	674.09
7/16/2014	12.64	676.01
10/14/2014	12.26	676.39
1/20/2015	12.31	676.34
4/6/2015	11.95	676.70
7/22/2015	8.49	680.16
10/19/2015	8.75	679.90
1/5/2016	12.53	676.12
4/4/2016	10.84	677.77
7/5/2016	9.37	679.24
10/24/2016	9.37	679.24
1/16/2017	9.60	679.01
4/18/2017	11.98	679.01
7/11/2017	13.75	674.86
10/23/2017	12.83	675.78
1/8/2018	11.79	676.82
4/11/2018	10.75	677.86
7/12/2018	13.21	675.40
10/19/2018	12.40	676.21
1/9/2019	12.27	676.34
4/8/2019	11.66	676.95
7/22/2019	11.45	677.16
10/14/2019	11.59	677.02
1/6/2019	11.59	677.02
4/6/2020	11.79	676.82
7/21/2020	11.82	676.79
10/13/2020	11.81	676.80
1/19/2021	10.17	678.44
4/6/2021	9.81	678.80

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 688.61

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 688.65.

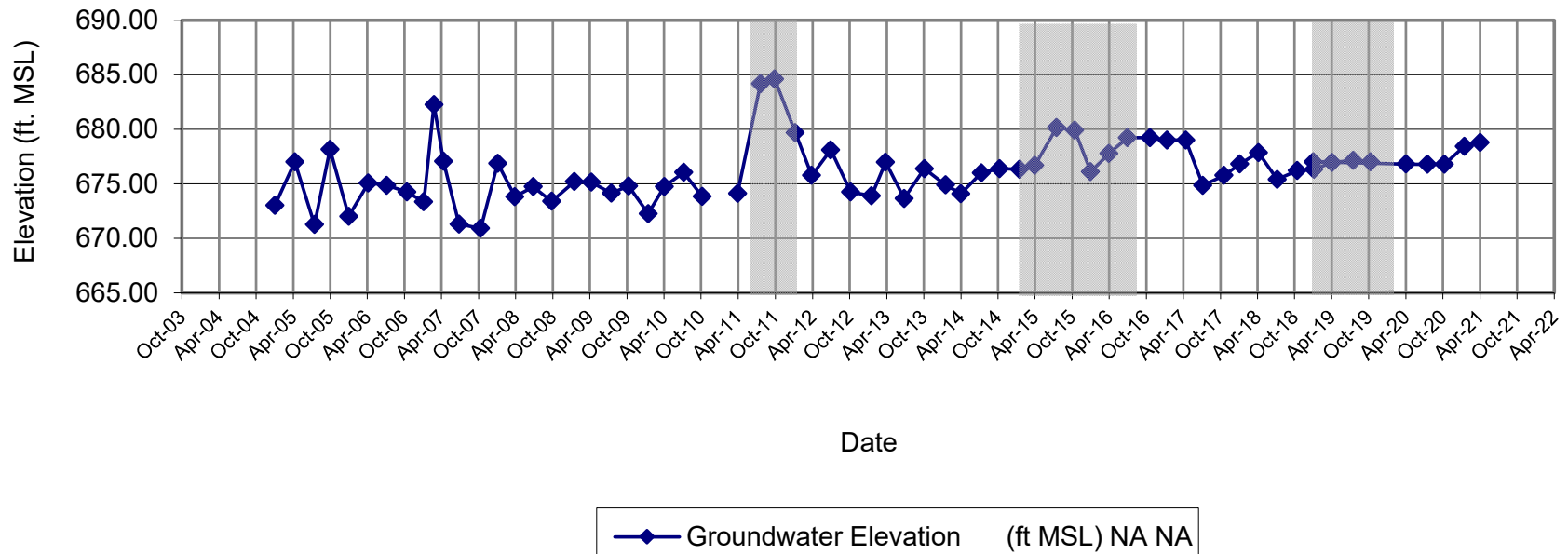
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-11
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-11



MONITORING WELL MW-13S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	7.01	679.56
10/12/2004	13.47	673.10
1/6/2005	7.24	679.33
4/14/2005	13.91	672.66
7/20/2005	12.81	673.76
10/4/2005	13.35	673.22
1/5/2006	13.79	672.78
4/11/2006	12.45	674.12
7/10/2006	13.02	673.55
10/18/2006	10.99	675.58
1/9/2007	11.35	675.22
2/28/2007	3.49	683.08
4/16/2007	12.01	674.56
7/2/2007	13.20	673.37
10/18/2007	12.77	673.80
1/8/2008	5.08	681.49
4/2/2008	5.45	681.12
7/1/2008	9.70	676.90
9/30/2008	11.80	674.80
1/19/2009	8.70	677.90
4/14/2009	8.64	677.96
7/21/2009	10.91	675.69
10/14/2009	9.18	677.42
1/18/2010	9.80	676.80
4/8/2010	8.30	678.30
7/12/2010	9.96	676.64
10/11/2010	10.29	676.31
1/12/2011	7.53	679.07
4/4/2011	8.00	678.60
7/25/2011	2.55	684.05
10/3/2011	1.81	684.79
1/12/2012	8.11	678.49
4/2/2012	8.06	678.54
7/5/2012	8.71	677.89
10/11/2012	9.57	677.03
1/21/2013	13.85	672.75
4/1/2013	6.44	680.16
7/1/2013	6.44	680.16
10/9/2013	4.10	682.50
1/21/2014	4.95	681.65
4/7/2014	6.02	680.58
7/16/2014	5.42	681.18
10/14/2014	4.41	682.19
1/20/2015	6.10	680.50
4/6/2015	4.69	681.91
7/22/2015	7.97	678.63
10/19/2015	3.95	682.65
1/5/2016	5.90	680.70
4/4/2016	5.05	681.60
7/5/2016	3.90	682.75
10/24/2016	3.90	682.75
1/16/2017	7.20	679.45
4/18/2017	6.11	679.45
7/11/2017	8.60	678.05
10/23/2017	6.42	680.23
1/8/2018	4.73	681.92
4/11/2018	4.20	682.45
7/12/2018	7.02	679.63
10/19/2018	15.86	670.79
1/9/2019	9.71	676.94
4/8/2019	5.35	681.30
7/22/2019	16.50	670.15
10/14/2019	16.50	670.15
1/6/2020	10.21	676.44
4/6/2020	8.36	678.29
7/21/2020	5.50	681.15
10/13/2020	8.84	677.81
1/19/2021	9.78	676.87
4/6/2021	3.67	682.98

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.57

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

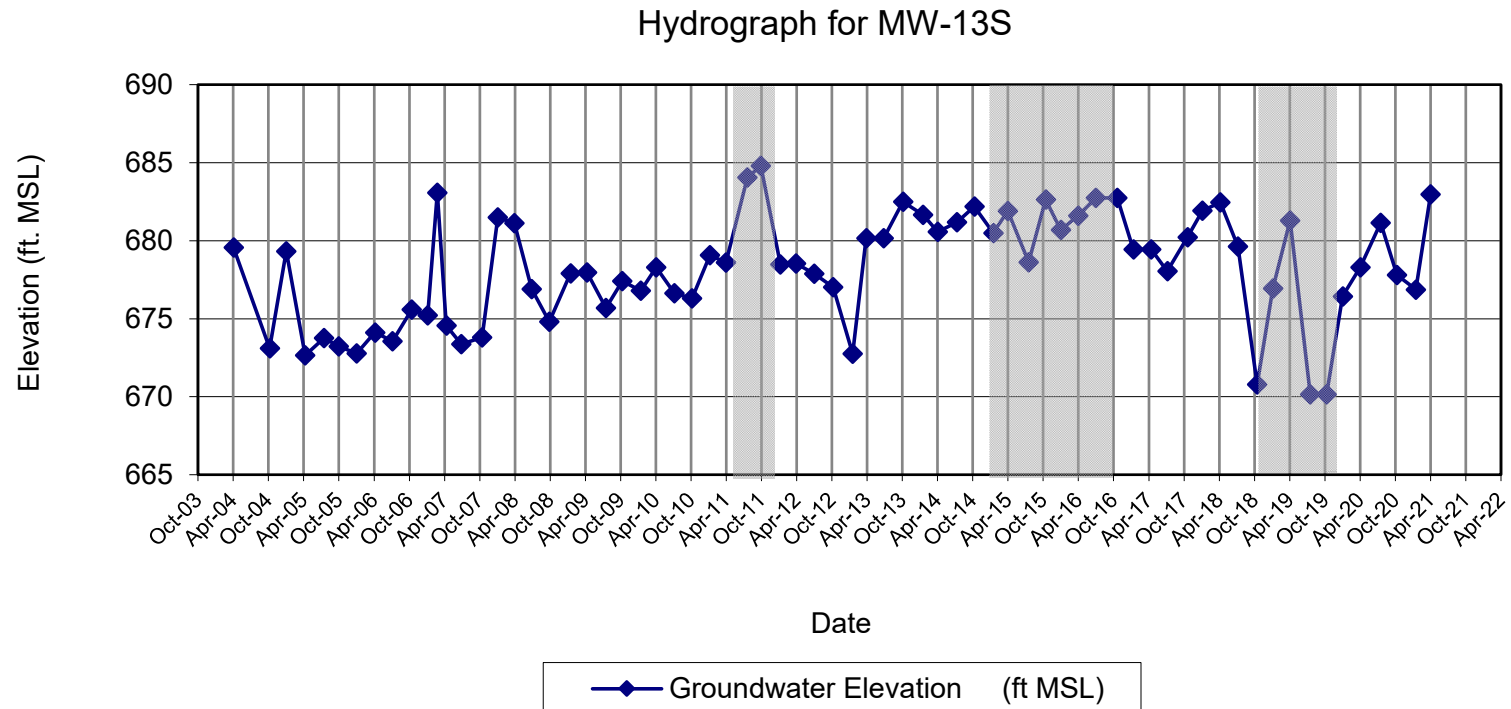
TOC Elevation re-measured on June 13, 2008 at 686.60.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-13S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-13D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft) MSL)
4/8/2004	13.28	673.43
10/12/2004	14.87	671.84
1/6/2005	14.55	672.16
4/14/2005	15.32	671.39
7/20/2005	15.65	671.06
10/4/2005	9.44	677.27
1/5/2006	15.83	670.88
4/11/2006	15.41	671.30
7/10/2006	13.79	672.92
10/18/2006	13.17	673.54
1/9/2007	14.41	672.30
2/28/2007	3.28	683.43
4/16/2007	14.66	672.05
7/2/2007	15.68	671.03
10/18/2007	15.80	670.91
1/8/2008	8.69	678.02
4/2/2008	12.86	673.85
7/1/2008	12.55	674.18
9/30/2008	13.89	672.84
1/19/2009	12.10	674.63
4/14/2009	11.78	674.95
7/21/2009	12.86	673.87
10/14/2009	11.59	675.14
1/18/2010	13.88	672.85
4/8/2010	12.00	674.73
7/12/2010	11.90	674.83
10/11/2010	13.34	673.39
1/12/2011	13.2	673.53
4/4/2011	13.13	673.60
7/25/2011	3.33	683.40
10/3/2011	2.55	684.18
1/12/2012	12.34	674.39
4/2/2012	11.76	674.97
7/5/2012	9.25	677.48
10/11/2012	13.00	673.73
1/21/2013	13.85	672.88
4/1/2013	11.01	675.72
7/1/2013	14.26	672.47
10/9/2013	10.36	676.37
1/21/2014	11.45	675.28
4/7/2014	13.65	673.08
7/16/2014	10.74	675.99
10/14/2014	9.41	677.32
1/20/2015	11.02	675.71
4/6/2015	9.35	677.38
7/22/2015	7.44	679.29
10/19/2015	4.55	682.18
1/5/2016	10.31	676.42
4/4/2016	8.65	678.13
7/5/2016	5.06	681.72
10/24/2016	5.06	681.72
1/16/2017	12.50	674.28
4/18/2017	10.10	674.28
7/11/2017	11.15	675.63
10/23/2017	10.87	675.91
1/8/2018	9.12	677.66
4/11/2018	8.70	678.08
7/12/2018	10.91	675.87
10/19/2018	10.86	675.92
1/9/2019	9.85	676.93
4/8/2019	9.00	677.78
7/22/2019	9.79	676.99
10/14/2019	8.87	677.91
1/6/2020	7.69	679.09
4/6/2020	8.54	678.24
7/21/2020	9.00	677.78
10/13/2020	10.16	676.62
1/19/2021	9.02	677.76
4/6/2021	7.90	678.88

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.71

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 686.73.

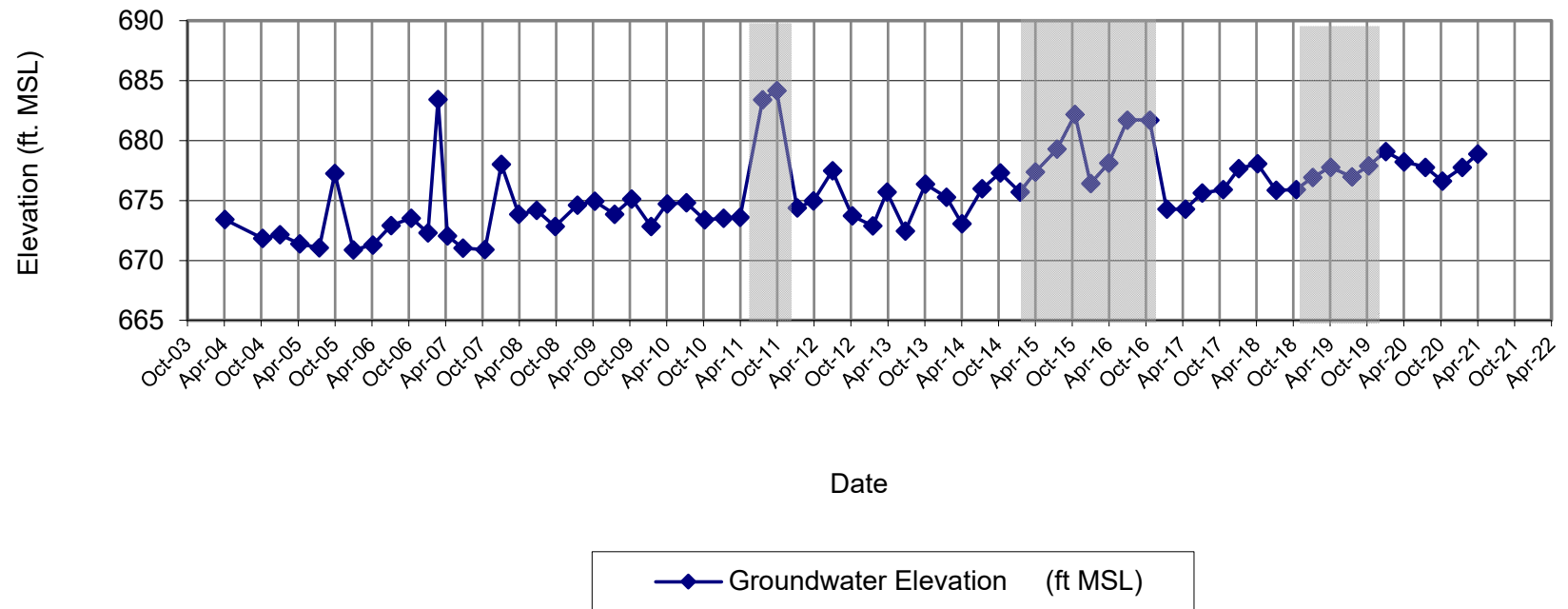
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-13D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-13D



MONITORING WELL MW-14S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	5.14	680.17
10/12/2004	8.57	676.74
1/6/2005	6.27	679.04
4/14/2005	5.16	680.15
7/20/2005	8.32	676.99
10/4/2005	6.14	679.17
1/5/2006	8.41	676.90
4/11/2006	7.75	677.56
7/10/2006	8.18	677.13
10/18/2006	9.00	676.31
1/9/2007	6.61	678.70
2/28/2007	1.50	683.81
4/16/2007	3.45	681.86
7/2/2007	8.36	676.95
10/15/2007	9.45	675.86
1/8/2008	4.65	680.66
4/2/2008	4.47	680.84
7/1/2008	6.37	679.33
9/30/2008	8.90	676.80
1/19/2009	6.15	679.55
4/14/2009	7.70	678.00
7/21/2009	7.25	678.45
10/14/2009	7.05	678.65
1/18/2010	NM	
4/8/2010	6.50	678.81
7/12/2010	6.54	678.77
10/11/2010	5.90	679.80
1/12/2011	6.83	678.87
4/4/2011	6.34	679.36
7/25/2011	2.59	683.11
10/3/2011	1.98	683.72
1/12/2012	5.10	680.60
4/2/2012	4.55	681.15
7/5/2012	7.15	678.55
10/11/2012	6.67	679.03
1/21/2013	5.15	680.55
4/1/2013	5.05	680.65
7/1/2013	6.81	678.89
10/9/2013	5.60	680.10
1/21/2014	5.68	680.02
4/7/2014	6.03	679.67
7/16/2014	5.49	680.21
10/14/2014	5.61	680.09
1/20/2015	5.55	680.15
4/6/2015	4.58	681.12
7/22/2015	3.59	682.11
10/19/2015	3.70	682.00
1/5/2016	3.92	681.78
4/4/2016	8.80	676.90
7/5/2016	3.80	681.90
10/24/2016	3.80	681.90
1/16/2017	5.10	680.60
4/18/2017	5.44	680.26
7/11/2017	7.50	678.20
10/23/2017	7.18	678.52
1/8/2018	5.39	680.35
4/11/2018	5.14	680.60
7/12/2018	7.25	678.49
10/19/2018	6.89	678.85
1/9/2019	4.30	681.44
4/8/2019	4.40	681.34
7/22/2019	8.60	677.14
10/14/2019	5.14	680.60
1/6/2020	4.42	681.32
4/6/2020	4.31	681.43
7/21/2020	5.30	680.44
10/13/2020	6.18	679.56
1/19/2021	5.28	680.46
4/6/2021	4.75	680.99

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.31

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 685.70.

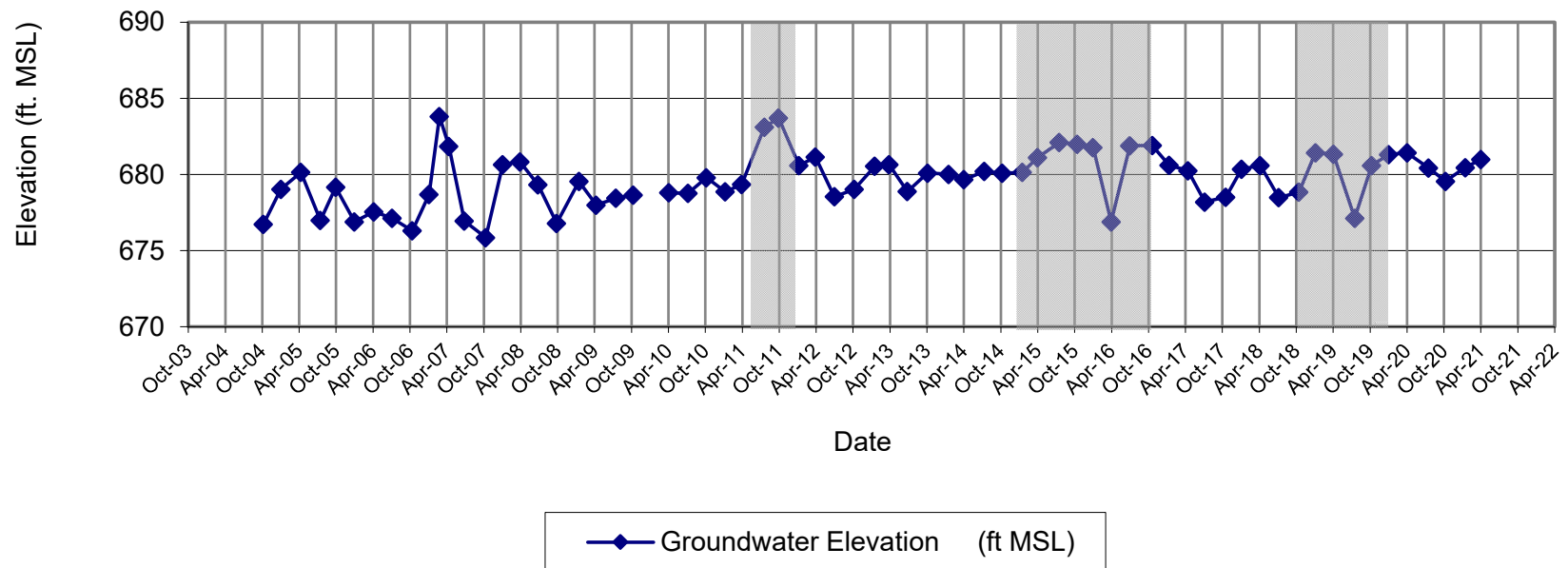
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-14S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-14S



MONITORING WELL MW-14D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	13.21	672.22
10/12/2004	14.55	670.88
1/6/2005	15.97	669.46
4/14/2005	13.25	672.18
7/20/2005	18.20	667.23
10/4/2005	13.26	672.17
1/5/2006	19.08	666.35
4/11/2006	19.79	665.64
7/10/2006	17.16	668.27
10/18/2006	19.44	665.99
1/9/2007	14.71	670.72
2/28/2007	2.67	682.76
4/16/2007	19.74	665.69
7/2/2007	19.68	665.75
10/15/2007	19.76	665.67
1/8/2008	7.92	677.51
4/2/2008	14.41	671.02
7/1/2008	14.45	671.37
9/30/2008	15.39	670.43
1/19/2009	13.55	672.27
4/14/2009	20.10	665.72
7/21/2009	15.15	670.67
10/14/2009	20.27	665.55
1/18/2010	20.40	665.42
4/8/2010	15.40	670.42
7/12/2010	17.15	668.67
10/11/2010	14.40	671.42
1/12/2011	17.92	667.90
4/4/2011	16.23	669.59
7/25/2011	3.10	682.72
10/3/2011	2.72	683.10
1/12/2012	15.30	670.52
4/2/2012	16.50	669.32
7/5/2012	12.81	673.01
10/11/2012	14.55	671.27
1/21/2013	13.45	672.37
4/1/2013	10.78	675.04
7/1/2013	19.85	665.97
10/9/2013	10.02	675.80
1/21/2014	18.20	667.62
4/7/2014	17.95	667.87
7/16/2014	12.99	672.83
10/14/2014	10.70	675.12
1/20/2015	13.49	672.33
4/6/2015	11.30	674.52
7/22/2015	8.62	677.20
10/19/2015	4.10	681.72
1/5/2016	11.70	674.12
4/4/2016	17.98	667.90
7/5/2016	4.67	681.21
10/24/2016	4.67	681.21
1/16/2017	15.89	669.99
4/18/2017	12.45	669.99
7/11/2017	14.74	671.14
10/23/2017	17.02	668.86
1/8/2018	17.69	668.19
4/11/2018	15.95	669.93
7/12/2018	16.90	668.98
10/19/2018	15.69	670.19
1/9/2019	12.62	673.26
4/8/2019	11.80	674.08
7/22/2019	11.35	674.53
10/14/2019	11.88	674.00
1/6/2020	9.44	676.44
4/6/2020	13.00	672.88
7/21/2020	12.31	673.57
10/13/2020	19.31	666.57
1/19/2021	12.24	673.64
4/6/2021	10.28	675.60

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.43

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 685.82.

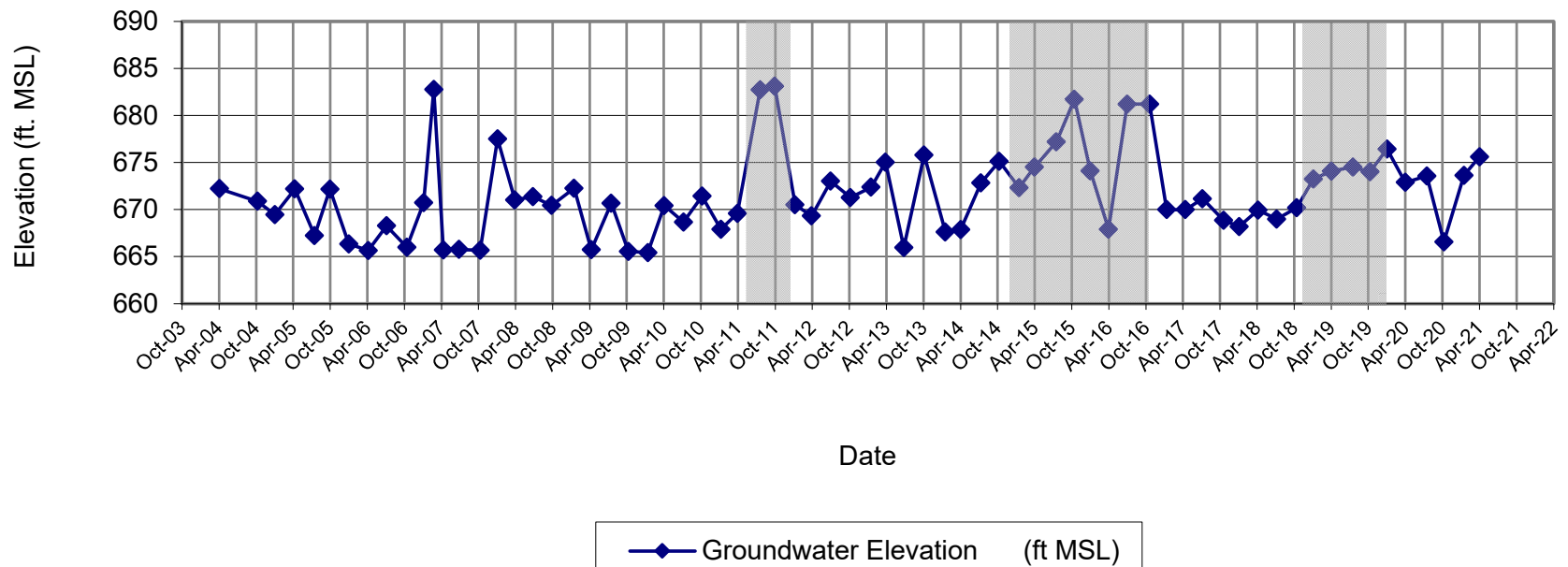
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-14D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-14D



MONITORING WELL MW-15S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	1.20	685.44
10/12/2004	5.26	681.38
1/6/2005	0.35	686.29
4/14/2005	2.31	684.33
7/20/2005	4.78	681.86
10/4/2005	2.22	684.42
1/5/2006	0.70	685.94
4/11/2006	2.00	684.64
7/10/2006	4.75	681.89
1/9/2007	0.05	686.59
2/28/2007	0.00	686.64
4/16/2007	0.50	686.14
7/2/2007	4.67	681.97
10/16/2007	4.80	681.84
1/8/2008	0.70	685.94
4/2/2008	0.00	686.64
7/1/2008	0.50	687.02
9/30/2008	3.14	684.38
1/19/2009	1.50	686.02
4/14/2009	1.60	685.92
7/21/2009	1.11	686.41
10/14/2009	1.11	686.41
1/18/2010	0.80	686.72
4/8/2010	2.00	685.52
7/12/2010	2.80	684.72
10/11/2010	3.14	684.38
1/12/2011	1.40	686.12
4/4/2011	0.50	687.02
7/25/2011	2.51	685.01
10/3/2011	0.20	687.32
1/12/2012	0.50	687.02
4/2/2012	1.40	686.12
7/5/2012	3.90	683.62
10/1/2012	3.18	684.34
1/21/2013	0.00	687.52
4/1/2013	0.50	687.02
7/1/2013	1.73	685.79
10/9/2013	2.10	685.42
1/21/2014	1.75	685.77
4/7/2014	0.90	686.62
7/16/2014	1.91	685.61
10/14/2014	2.00	685.52
1/20/2015	1.60	685.92
4/6/2015	0.51	687.01
7/22/2015	1.41	686.11
10/19/2015	2.20	685.32
1/5/2016	1.15	686.37
4/4/2016	0.70	687.17
7/5/2016	3.61	683.56
10/24/2016	3.61	683.56
1/16/2017	1.20	685.97
4/18/2017	0.90	685.97
7/11/2017	4.30	682.87
10/23/2017	2.55	684.62
1/8/2018	0.00	687.17
4/11/2018	0.00	687.17
7/12/2018	0.35	686.82
10/19/2018	0.44	686.73
1/9/2019	0.22	686.95
4/8/2019	0.00	687.17
7/22/2019	2.95	684.22
10/14/2019	1.32	685.85
1/6/2020	0.04	687.13
4/6/2020	0.02	687.15
7/21/2020	0.48	686.69
10/13/2020	2.98	684.19
1/19/2021	0.49	686.68
4/6/2021	0.98	686.19

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.64

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

Measured from ground surface on April 4, 2016 at 687.87.

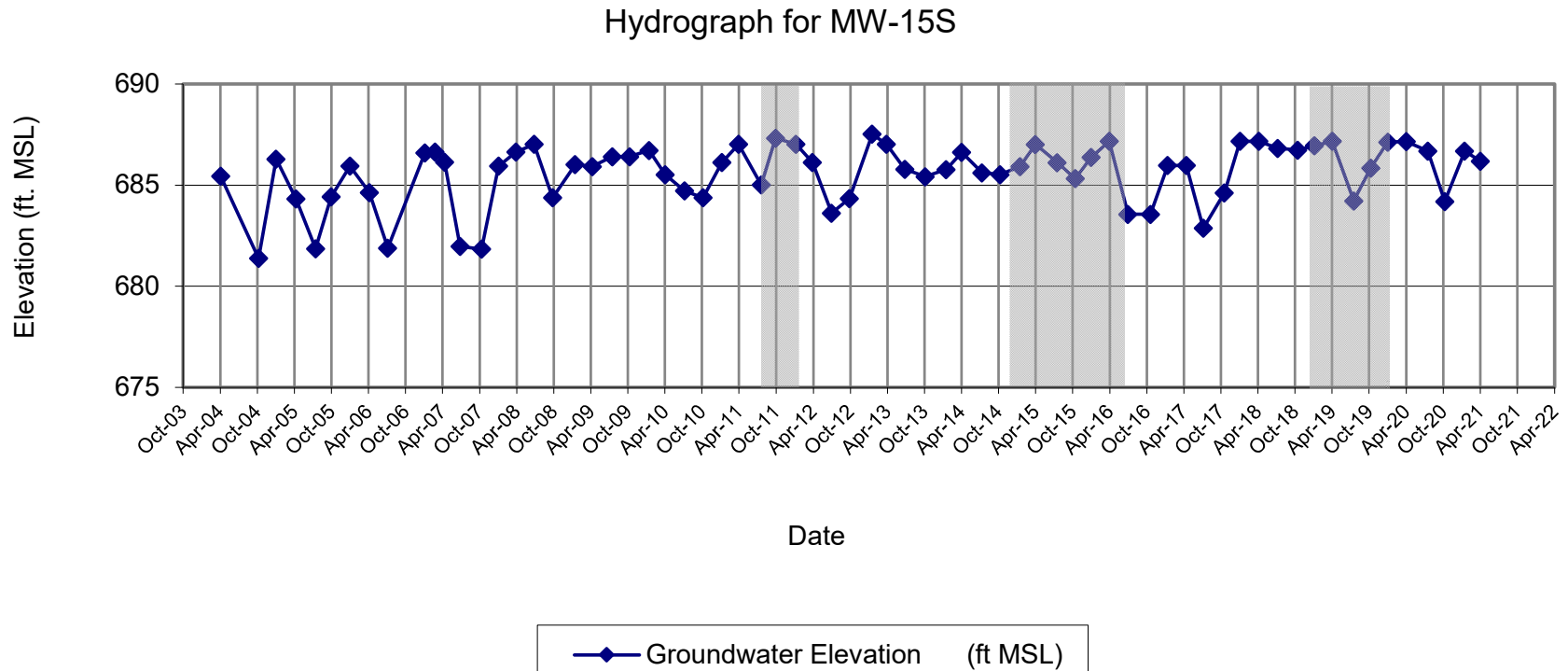
TOC Elevation re-measured on June 13, 2008 at 687.52.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-15S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-15D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	15.70	671.61
10/12/2004	17.42	669.89
1/6/2005	15.74	671.57
4/14/2005	16.99	670.32
7/20/2005	17.31	670.00
10/4/2005	8.94	678.37
1/5/2006	16.16	671.15
4/11/2006	16.90	670.41
7/10/2006	15.78	671.53
10/18/2006	15.50	671.81
1/9/2007	15.80	671.51
2/28/2007	4.10	683.21
4/16/2007	16.61	670.70
7/2/2007	17.20	670.11
10/16/2007	16.70	670.61
1/8/2008	8.99	678.32
4/2/2008	15.01	672.30
7/1/2008	14.64	672.98
9/30/2008	16.24	671.38
1/19/2009	15.00	672.62
4/14/2009	14.21	673.41
7/21/2009	14.61	673.01
10/14/2009	14.81	672.81
1/18/2010	16.89	670.73
4/8/2010	15.00	672.62
7/12/2010	13.00	674.62
10/11/2010	13.00	674.62
1/12/2011	15.65	671.97
4/4/2011	15.51	672.11
7/25/2011	3.73	683.89
10/3/2011	3.05	684.57
1/12/2012	15.50	672.12
4/2/2012	14.30	673.32
7/5/2012	9.81	677.81
10/11/2012	13.70	673.92
1/21/2013	15.90	671.72
4/1/2013	11.08	676.54
7/1/2013	16.04	671.58
10/9/2013	13.95	673.67
1/21/2014	15.05	672.57
4/7/2014	15.84	671.78
7/16/2014	13.51	674.11
10/14/2014	12.49	675.13
1/20/2015	15.04	672.58
4/6/2015	13.15	674.47
7/22/2015	9.92	677.70
10/19/2015	6.50	681.12
1/5/2016	13.65	673.97
4/4/2016	11.70	676.17
7/5/2016	5.85	681.52
10/24/2016	5.85	681.52
1/16/2017	13.56	673.81
4/18/2017	13.40	673.97
7/11/2017	14.06	673.31
10/23/2017	14.21	673.16
1/8/2018	13.08	674.79
4/11/2018	11.70	676.17
7/12/2018	14.19	673.68
10/19/2018	13.83	674.04
1/9/2019	13.17	674.70
4/8/2019	12.80	675.07
7/22/2019	12.66	675.21
10/14/2019	11.97	675.90
1/6/2020	10.79	677.08
4/6/2020	11.85	676.02
7/21/2020	12.61	675.26
10/13/2020	13.55	674.32
1/19/2021	8.76	679.11
4/6/2021	11.31	676.56

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 687.31'

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 687.62.

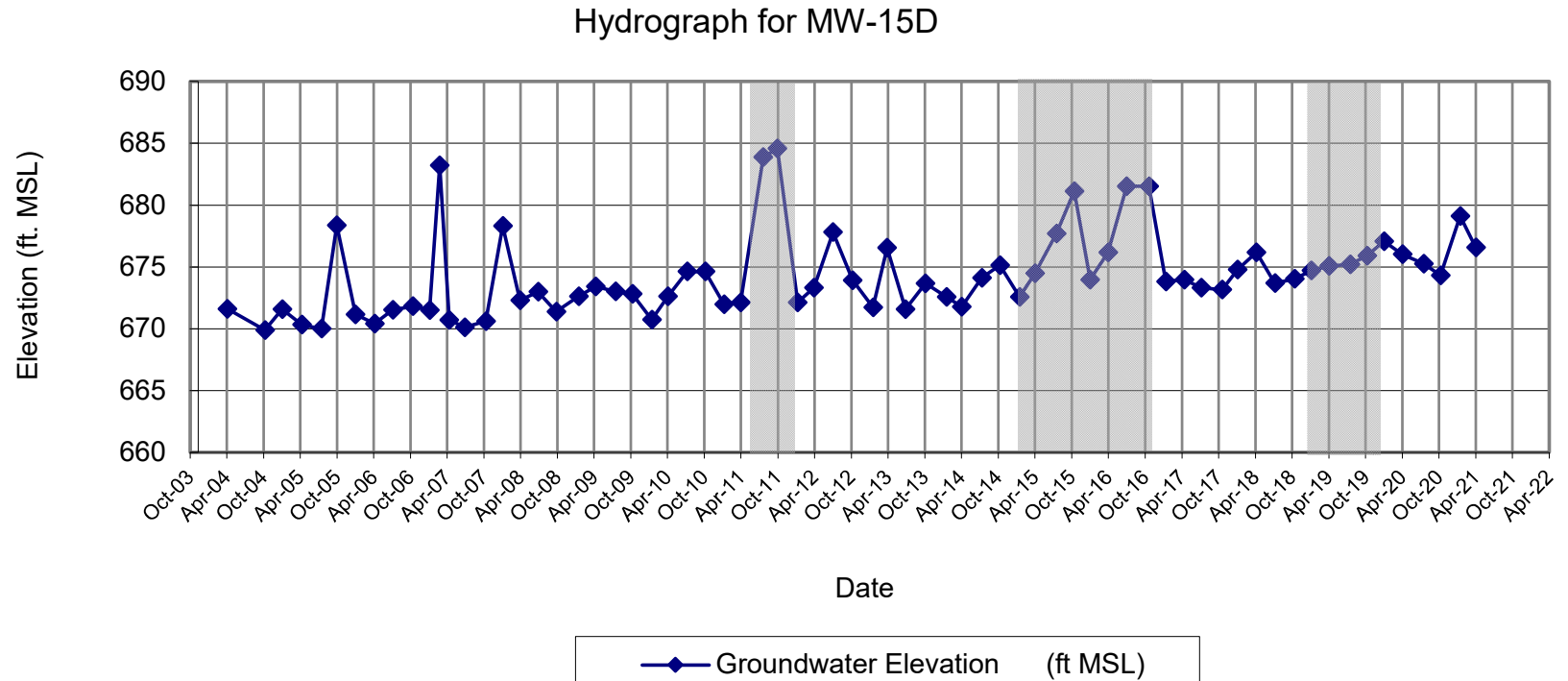
Measured from ground surface on April 4, 2016 at 687.87.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-15D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-16S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	5.09	680.75
10/12/2004	12.09	673.75
1/6/2005	4.75	681.09
4/14/2005	10.15	675.69
7/20/2005	14.56	671.28
10/4/2005	11.50	674.34
1/5/2006	11.41	674.43
4/11/2006	12.90	672.94
7/10/2006	11.54	674.30
10/18/2006	12.50	673.34
1/9/2007	13.82	672.02
2/28/2007	2.90	682.94
4/16/2007	13.07	672.77
7/2/2007	12.50	673.34
10/18/2007	15.23	670.61
1/8/2008	5.60	680.24
4/2/2008	12.40	673.44
7/1/2008	15.70	674.67
9/30/2008	19.34	671.03
1/19/2009	17.80	672.57
4/14/2009	18.22	672.15
7/21/2009	19.95	670.42
10/14/2009	17.77	672.60
1/18/2010	16.45	673.92
4/8/2010	18.60	671.77
7/12/2010	18.45	671.92
10/11/2010	13.51	676.86
4/7/2011	8.55	677.29
7/25/2011	1.45	684.39
10/3/2011	0.60	685.24
1/12/2012	3.80	682.04
4/2/2012	5.85	679.99
7/5/2012	9.12	676.72
10/11/2012	6.36	679.48
1/21/2013	7.85	677.99
4/1/2013	10.15	675.69
7/1/2013	9.18	676.66
10/9/2013	3.80	682.04
1/21/2014	9.55	676.29
4/7/2014	9.60	676.24
7/16/2014	9.05	676.79
10/14/2014	3.10	682.74
1/20/2015	6.90	678.94
4/6/2015	5.50	680.34
7/22/2015	10.14	678.05
10/19/2015	5.00	683.19
1/5/2016	7.05	681.14
4/4/2016	6.38	681.77
7/5/2016	5.23	682.92
10/24/2016	5.23	682.92
1/16/2017	8.25	679.90
4/18/2017	7.28	679.90
7/11/2017	10.36	677.79
10/23/2017	8.66	679.49
1/8/2018	6.29	681.86
4/11/2018	6.71	681.44
7/12/2018	8.99	679.16
10/19/2018	10.42	677.73
1/9/2019	6.86	681.29
4/8/2019	6.02	682.13
7/22/2019	6.91	681.24
10/14/2019	6.02	682.13
1/6/2020	5.51	682.64
4/6/2020	6.83	681.32
7/21/2020	6.14	682.01
10/12/2020	8.00	680.15
1/19/2021	6.89	681.26
4/6/2021	6.60	681.55

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.84

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 690.37.

TOC Elevation re-measured on April 7, 2011 at 685.84.

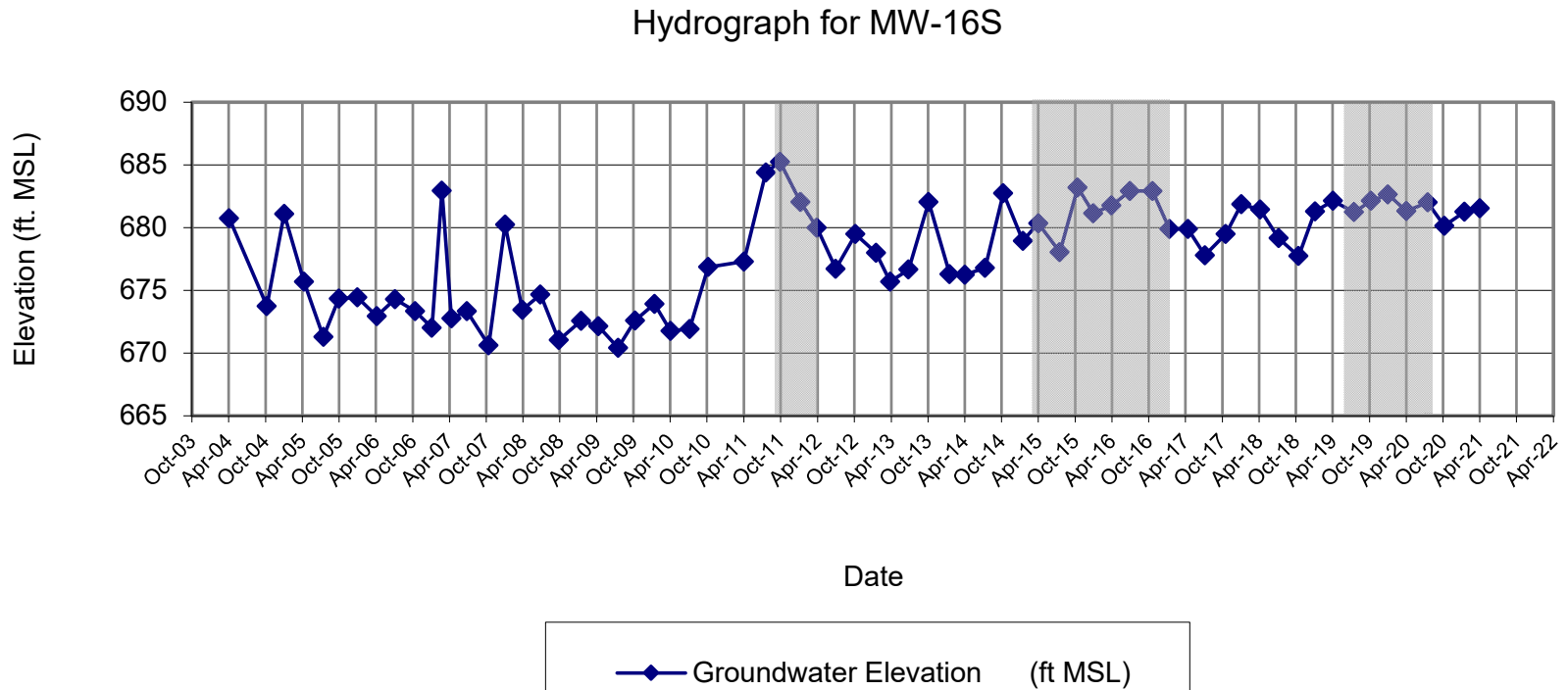
TOC Elevation re-measured on June 1, 2015 at 688.19.

TOC Elevation re-measured on February 23, 2016 at 688.15.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-16S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-16D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	13.62	672.39
10/12/2004	15.51	670.50
1/6/2005	13.70	672.31
4/14/2005	16.09	669.92
7/20/2005	16.65	669.36
10/4/2005	9.89	676.12
1/5/2006	17.21	668.80
4/11/2006	17.1	668.91
7/10/2006	10.61	675.4
10/18/2006	15.41	670.6
1/9/2007	15.6	670.41
2/28/2007	2.74	683.27
4/16/2007	16.35	669.66
7/2/2007	16.85	669.16
10/18/2007	17.17	668.84
1/8/2008	8.32	677.69
4/2/2008	13.44	672.57
7/1/2008	17.72	672.83
9/30/2008	19.29	671.26
1/19/2009	17.95	672.60
4/14/2009	17.21	673.34
7/21/2009	18.28	672.27
10/14/2009	17.60	672.95
1/18/2010	19.51	671.04
4/8/2010	17.19	673.36
7/12/2010	17.15	673.40
10/11/2010	18.63	671.92
4/7/2011	13.67	672.34
7/25/2011	2.46	683.55
10/3/2011	1.70	684.31
1/12/2012	13.55	672.46
4/2/2012	12.61	673.40
7/5/2012	8.90	677.11
10/11/2012	13.38	672.63
1/21/2013	15.44	670.57
4/1/2013	12.31	673.70
7/1/2013	16.25	669.76
10/9/2013	11.40	674.61
1/21/2014	13.35	672.66
4/7/2014	15.54	670.47
7/16/2014	11.73	674.28
10/14/2014	10.04	675.97
1/20/2015	12.31	673.70
4/6/2015	10.30	675.71
7/22/2015	9.80	678.59
10/19/2015	6.40	681.99
1/5/2016	13.00	675.39
4/4/2016	11.35	676.81
7/5/2016	6.49	681.67
10/24/2016	6.49	681.67
1/16/2017	14.28	673.88
4/18/2017	13.24	673.88
7/11/2017	14.25	673.91
10/23/2017	14.72	673.44
1/8/2018	12.38	675.78
4/11/2018	11.67	676.49
7/12/2018	14.20	673.96
10/19/2018	14.32	673.84
1/9/2019	12.82	675.34
4/8/2019	11.78	676.38
7/22/2019	12.13	676.03
10/14/2019	11.32	676.84
1/6/2020	10.29	677.87
4/6/2020	11.54	676.62
7/21/2020	11.96	676.20
10/12/2020	13.19	674.97
1/19/2021	8.96	679.20
4/6/2021	10.81	677.35

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.01

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 690.55.

TOC Elevation re-measured on April 7, 2011 at 686.01.

TOC Elevation re-measured on June 1, 2015 at 688.39.

TOC Elevation re-measured on February 23, 2016 at 688.16.

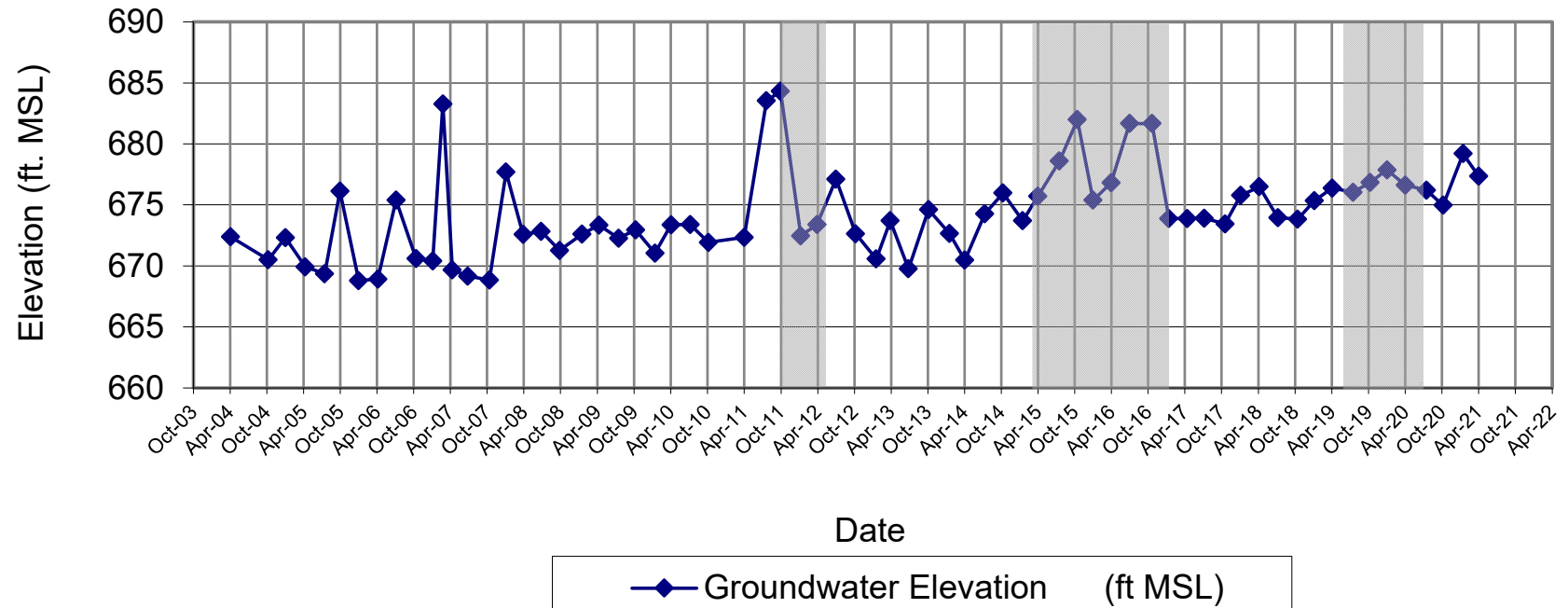
DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

DPE system off line between November 2018 and March 2020 to accommodate ABC+ OLE injection pilot test (note shading on graph).

MONITORING WELL MW-16D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-16D



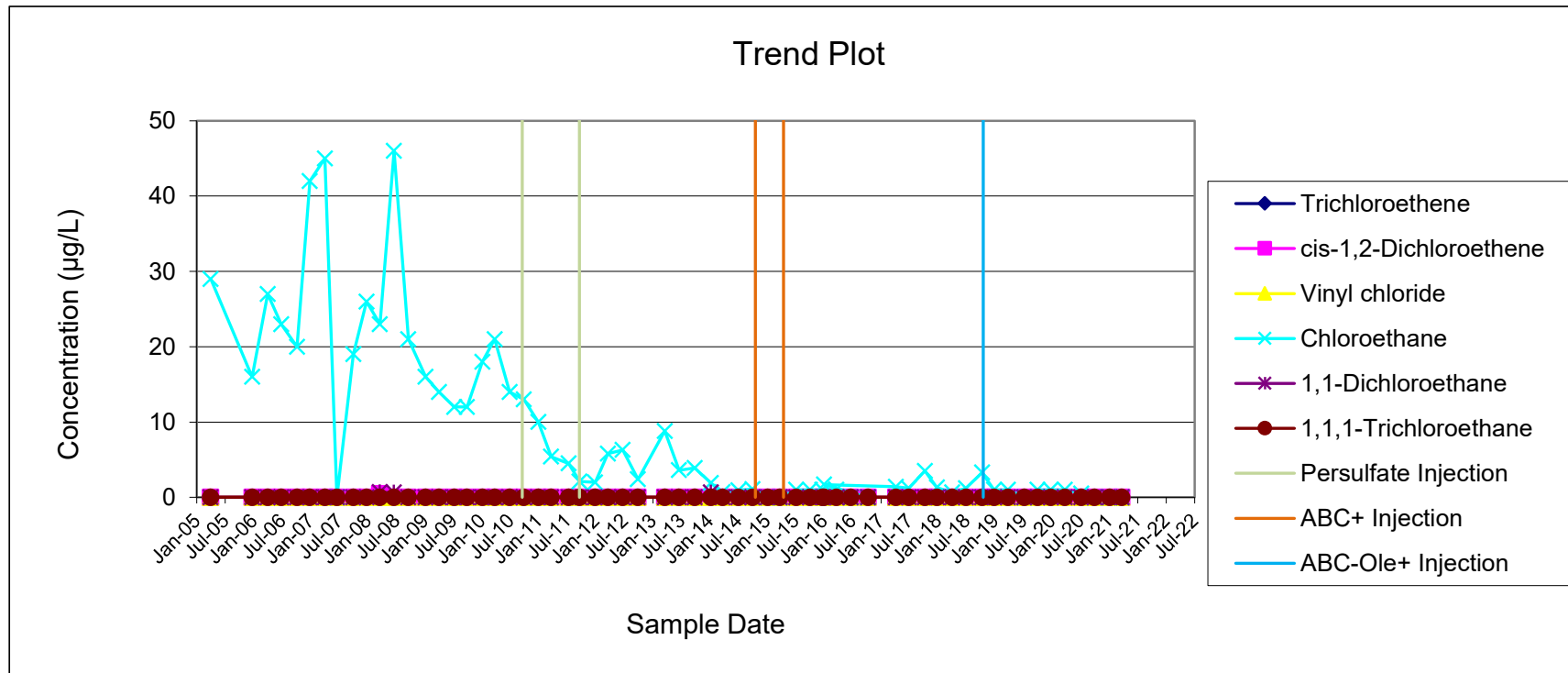
Appendix D

Current and Historical Summary of VOCs in Groundwater

MONITORING WELL MW-2
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	29	< 10	<10
1/5/2006	< 25	< 25	< 25	16	< 25	< 25
4/14/2006	< 25	< 25	< 25	27	< 25	< 25
7/10/2006	< 25	< 25	< 25	23	< 25	< 25
10/19/2006	< 5	< 5	< 5	20	< 5	< 5
1/9/2007	< 5	< 5	< 5	42	< 5	< 5
4/16/2007	< 20	< 20	< 20	45	< 20	< 20
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/15/2007	< 5	< 5	< 5	19	< 5	< 5
1/8/2008	< 5	< 5	< 5	26	< 5	< 5
4/2/2008	< 5	0.48	< 5	23	1	< 5
7/1/2008	< 5	< 5	< 5	46	0.65	< 5
10/1/2008	< 5	< 5	< 5	21	< 5	< 5
1/20/2009	< 5	< 5	< 5	16	< 5	< 5
4/15/2009	< 5	< 5	< 5	14	< 5	< 5
7/22/2009	< 5	< 5	< 5	12	< 5	< 5
10/12/2009	< 5	< 5	< 5	12	< 5	< 5
1/18/2010	< 25	< 25	< 25	18	< 25	< 25
4/7/2010	< 25	< 25	< 25	21	< 25	< 25
7/12/2010	< 25	< 25	< 25	14	< 25	< 25
10/11/2010	< 25	< 25	< 25	13	< 25	< 25
1/12/2011	< 1	< 1	< 1	10	< 1	< 1
4/4/2011	< 1	< 1	< 1	5.4	< 1	< 1
7/25/2011	< 1	< 1	< 1	4.5	< 1	< 1
10/3/2011	< 1	< 1	< 1	2.1	< 1	< 1
1/11/2012	< 1	< 1	< 1	2	< 1	< 1
4/2/2012	< 1	< 1	< 1	5.8	< 1	< 1
7/5/2012	< 1	< 1	< 1	6.3	< 1	< 1
10/11/2012	< 1	< 1	< 1	2.4	< 1	< 1
4/1/2013	< 1	< 1	< 1	8.8	< 1	< 1
7/1/2013	< 1	< 1	< 1	3.6	< 1	< 1
10/9/2013	< 1	< 1	< 1	3.9	< 1	< 1
1/21/2014	< 1	< 1	< 1	1.9	0.67	< 1
4/7/2014	< 1	< 1	< 1	0.68	< 1	< 1
7/16/2014	< 1	< 1	< 1	0.94	< 1	< 1
10/14/2014	< 1	< 1	< 1	1.1	< 1	< 1
1/20/2015	< 5	< 5	< 5	< 5	< 5	< 5
4/7/2015	< 5	< 5	< 5	< 5	< 5	< 5
7/22/2015	< 1	< 1	< 1	1	< 1	< 1
10/19/2015	< 1	< 1	< 1	1	< 1	< 1
1/5/2016	< 1	< 1	< 1	1	< 1	< 1
4/4/2016	< 1	< 1	< 1	1	< 1	< 1
7/5/2016	< 1	< 1	< 1	< 1	< 1	< 1
10/24/2016	< 1	< 1	< 1	< 1	< 1	< 1
1/17/2016	< 1	< 1	< 1	1.7	< 1	< 1
4/20/2017	< 1	< 1	< 1	1.4	< 1	< 1
7/12/2017	< 1	< 1	< 1	1.2	< 1	< 1
10/23/2017	< 1	< 1	< 1	3.5	< 1	< 1
1/8/2018	< 1	< 1	< 1	1.3	< 1	< 1
4/17/2018	< 1	< 1	< 1	0.65	< 1	< 1
7/13/2018	< 1	< 1	< 1	1.2	< 1	< 1
10/24/2018	< 1	< 1	< 1	3.3	< 1	< 1
1/9/2019	< 1	< 1	< 1	1	< 1	< 1
4/8/2019	< 1	< 1	< 1	1	< 1	< 1
7/23/2019	< 2	< 2	< 2	< 2	< 2	< 2
10/15/2019	< 1	< 1	< 1	1	< 1	< 1
1/7/2020	< 1	< 1	< 1	1	< 1	< 1
4/6/2020	< 1	< 1	< 1	1	< 1	< 1
7/21/2020	< 1	< 1	< 1	0.52	< 1	< 1
10/14/2020	< 2	< 2	< 2	< 2	< 2	< 2
1/19/2021	< 1	< 1	< 1	< 1	< 1	< 1
4/6/2021	< 1	< 1	< 1	< 1	< 1	< 1

MONITORING WELL MW-2
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

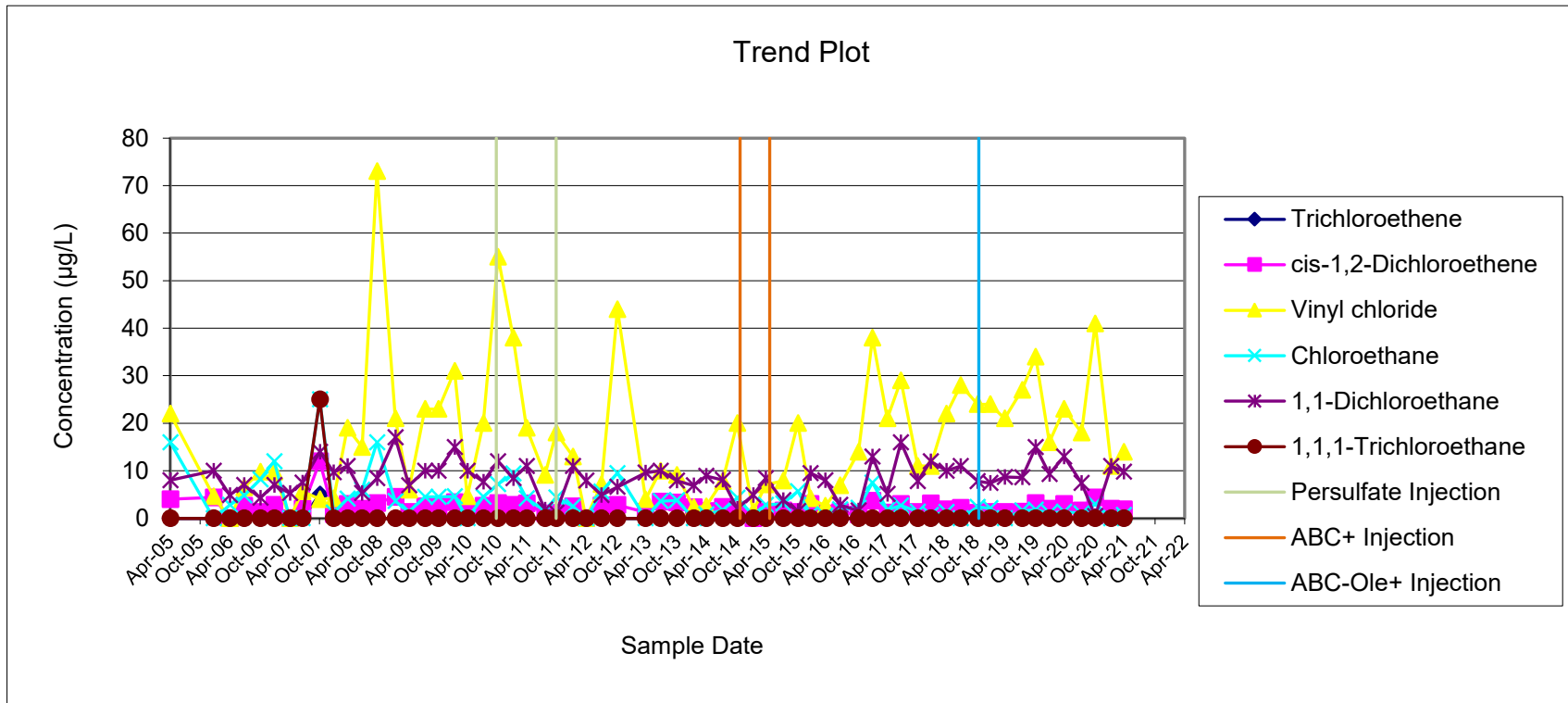


Note TCE data from 10/11/10 was reported in error as 350 µg/L and cis-1,2-DCE was reported as 25 µg/L.

MONITORING WELL MW-3
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	4	22	16	8	<10
1/5/2006	< 25	4.4	4.6	< 25	10	< 25
4/14/2006	< 25	< 25	< 25	2.8	4.9	< 25
7/10/2006	< 25	2.6	6.5	4.8	7	< 25
10/18/2006	< 5	1.3	9.8	8.2	4.3	< 5
1/10/2007	< 5	2.8	9.8	12	7	< 5
4/16/2007	< 20	< 20	< 20	< 20	5.3	< 20
7/2/2007	< 5	2	5.7	< 5	7.5	< 5
10/17/2007	5	12	4	25	14	25
1/9/2008	< 5	0.9	4.2	1.2	9.7	<5
4/3/2008	<5	3	19	4.1	11	<5
7/1/2008	<5	2	15	6	5.3	<5
10/1/2008	<5	3.2	73	16	8.4	<5
1/21/2009	<5	4.5	21	3.6	17	<5
4/15/2009	<5	1.3	6	1.4	6.9	<5
7/22/2009	<5	2.5	23	4.5	10	<5
10/12/2009	<5	2.5	23	4.5	10	<5
1/18/2010	<5	3.4	31	4.6	15	<5
4/7/2010	<5	1.7	4.6	<5	10	<5
7/13/2010	<5	2.6	20	4.5	7.7	<5
10/11/2010	<5	3.2	55	7.2	12	<5
1/12/2011	<1	2.8	38	9.4	8.4	<1
4/4/2011	<1	3.1	19	4.2	11	<1
7/26/2011	<1	0.98	9.1	1.5	1.8	<1
10/3/2011	<1	1.1	18	4.4	1.2	<1
1/13/2012	<1	2.5	13	2.5	11	<1
4/2/2012	<1	<1	<1	<1	7.9	<1
7/5/2012	<1	2.7	7.2	5.6	4.9	<1
10/11/2012	<1	2.8	44	9.5	6.6	<1
4/1/2013	<1	1.3	4	<1	9.6	<1
7/1/2013	<1	3.5	10	3.6	10	<1
10/10/2013	<1	3.3	9.1	3.8	7.9	<1
1/21/2014	<1	2.3	2.3	<1	6.9	<1
4/7/2014	<1	1.5	2.5	0.82	8.9	<1
7/17/2014	<1	2.4	7.8	1.7	8.1	<1
10/14/2014	<1	0.93	20	4.3	2	<1
1/20/2015	<1	<1	1.5	0.64	4.9	<1
4/7/2015	<1	1.4	7.1	2.8	8.4	<1
7/22/2015	<1	1.6	7.9	3.1	3.8	<1
10/21/2015	<1	1.3	20	5.7	1.5	<1
1/6/2016	<1	3	4.2	0.83	9.5	<1
4/5/2016	<1	0.98	2.6	0.58	8	<1
7/5/2016	<1	1.3	6.9	1.9	2.8	<1
10/25/2016	<1	0.81	14	2.2	1.6	<1
1/19/2017	<1	3.7	38	7.5	13	<1
4/20/2017	<1	1.2	21	1.8	5.1	<1
7/12/2017	<1	3.0	29	2.7	16	<1
10/23/2017	<1	1.3	11	1.4	7.8	<1
1/10/2018	<1	3.1	11	0.72	12	<1
4/17/2018	<1	1.9	22	1.3	10	<1
7/13/2018	<1	2.2	28	<1	11	<1
10/24/2018	<1	1.1	24	2.4	7.8	<1
1/9/2019	<1	1.3	24	2.1	7.4	<1
4/8/2019	<1	1.3	21	<1	8.7	<1
7/24/2019	<1	1.4	27	1.6	8.6	<1
10/15/2019	<1	3.2	34	1.8	15	<1
1/7/2020	<1	2.0	16	1.1	9.3	<1
4/6/2020	<1	3.0	23	1.4	13	<1
7/21/2020	<1	1.6	18	1.0	7.4	<1
10/13/2020	<1	4.4	41	3.0	0.47	<1
1/19/2021	<1	2.0	11	<1	11	<1
4/6/2021	<1	1.9	14	0.70	9.8	<1

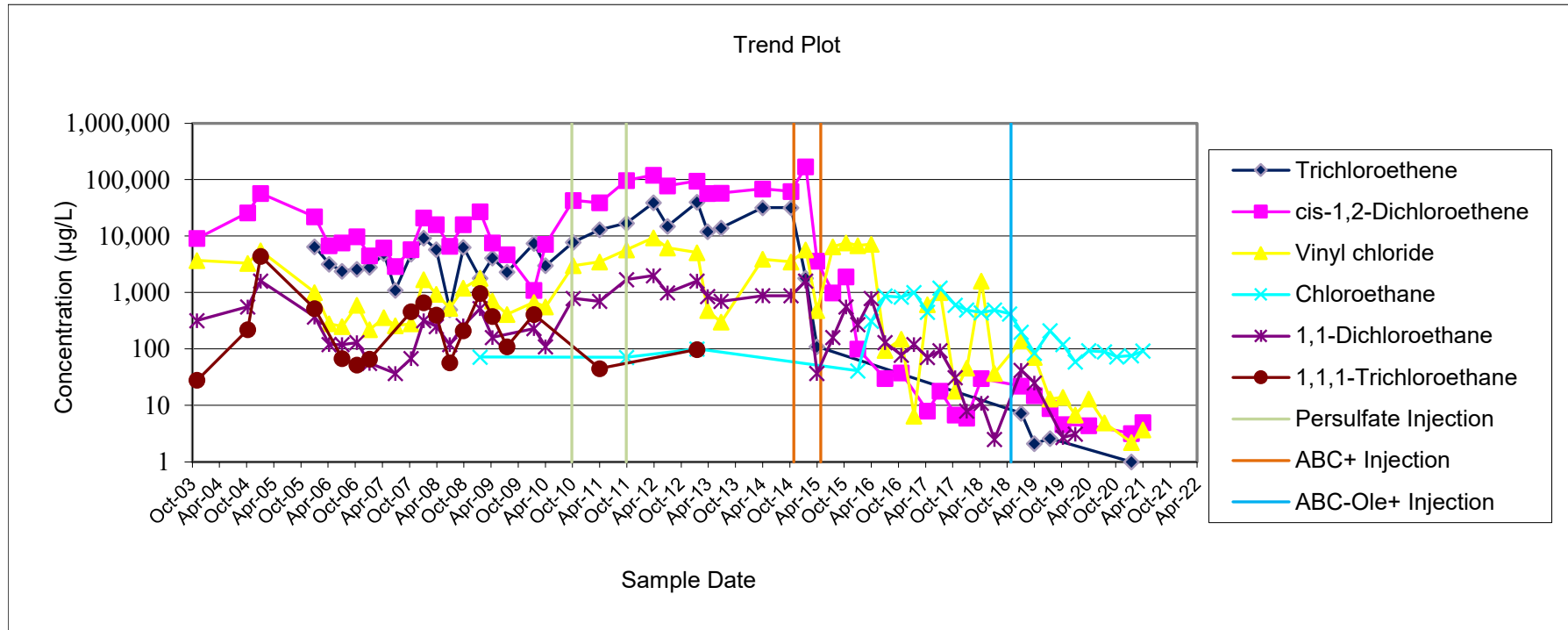
MONITORING WELL MW-3
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-4
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	270	9,100	3,700	< 10	320	28
10/13/2004	8,100	26,000	3,300	< 1000	560	220
1/7/2005	20,000	57,000	5,500	< 2000	1,600	4,400
1/6/2006	6,500	22,000	1,000	< 2000	370	520
4/14/2006	3,200	6,800	280	<500	120	<500
7/10/2006	2,400	7,600	250	<500	120	68
10/18/2006	2,600	9,800	600	<5	130	52
1/10/2007	2,800	4,500	220	<400	56	66
4/17/2007	4,900	6,200	360	<500	<500	<500
7/3/2007	1,100	2,900	260	<200	37	<200
10/17/2007	4,800	5,800	280	<500	68	460
1/9/2008	9,200	21,000	1,700	<500	320	660
4/3/2008	5,800	16,000	940	<1200	250	400
7/2/2008	500	6,600	530	<500	120	57
10/2/2008	6,300	16,000	1,200	<500	260	210
1/22/2009	1,800	27,000	1,800	72	520	970
4/15/2009	4,100	7,600	710	<200	160	380
7/22/2009	2,300	4,700	410	<250	<250	110
1/19/2010	7,400	1,100	670	<1000	230	410
4/8/2010	3,000	7,200	560	<500	110	<500
10/11/2010	7,800	43,000	3,000	<4,000	790	<4,000
4/6/2011	13,000	39,000	3,500	<40	700	45
10/4/2011	17,000	97,000	5,700	71	1700	<1
4/3/2012	39,000	120,000	9,400	<200	2000	<200
7/6/2012	15,000	78,000	6,200	<1000	990	<1000
1/21/2013	40,000	95,000	5,100	100	1600	98
4/2/2013	12,000	57,000	480	<40	850	<40
7/1/2013	14,000	58,000	300	<100	700	<100
4/7/2014	32,000	69,000	3,900	<1000	880	<1000
10/14/2014	32,000	62,000	3,500	<1000	880	<1000
1/21/2015	1,800	170,000	5700	<1,000	1,600	<1000
4/7/2015	110	3,600	480	<80	37	<80
7/23/2015	<100	990	6500	<100	160	<100
10/20/2015	<100	1,900	7600	<100	560	<100
1/6/2016	<100	100	6800	41	270	<100
4/6/2016	<100	<100	7200	310	790	<100
7/8/2016	<20	30	95	870	130	<20
10/25/2016	<20	38	150	830	78	<20
1/19/2017	<20	<20	7	1,000	120	<20
4/18/2017	<5	8	610	450	71	<5
7/13/2017	<20	18	1,000	1,200	93	<20
10/23/2017	<20	7	18	600	31	<20
1/8/2018	<5	6	46	490	8	<5
4/17/2018	<20	30	1,600	440	11	<20
7/13/2018	<5	<5	37	490	2.5	<5
10/24/2018	<20	<20	<20	420	<20	<20
1/10/2019	7.3	22	140	200	42	<4
4/8/2019	2.1	15	71	84	25	<4
7/22/2019	2.6	9	13	210	<4	<4
10/17/2019	<4	4.6	14	120	2.7	<4
1/8/2020	<4	<4	6.8	59	3.1	<4
4/8/2020	<4	4.4	13.0	93	<4	<4
7/23/2020	<4	<4	4.9	89	<4	<4
10/14/2020	<4	<4	<4	73.0	<4	<4
1/20/2021	1.0	3.2	2.2	76.0	<1	<1
4/8/2021	<4	5.0	3.7	92	<4	<4

MONITORING WELL MW-4
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

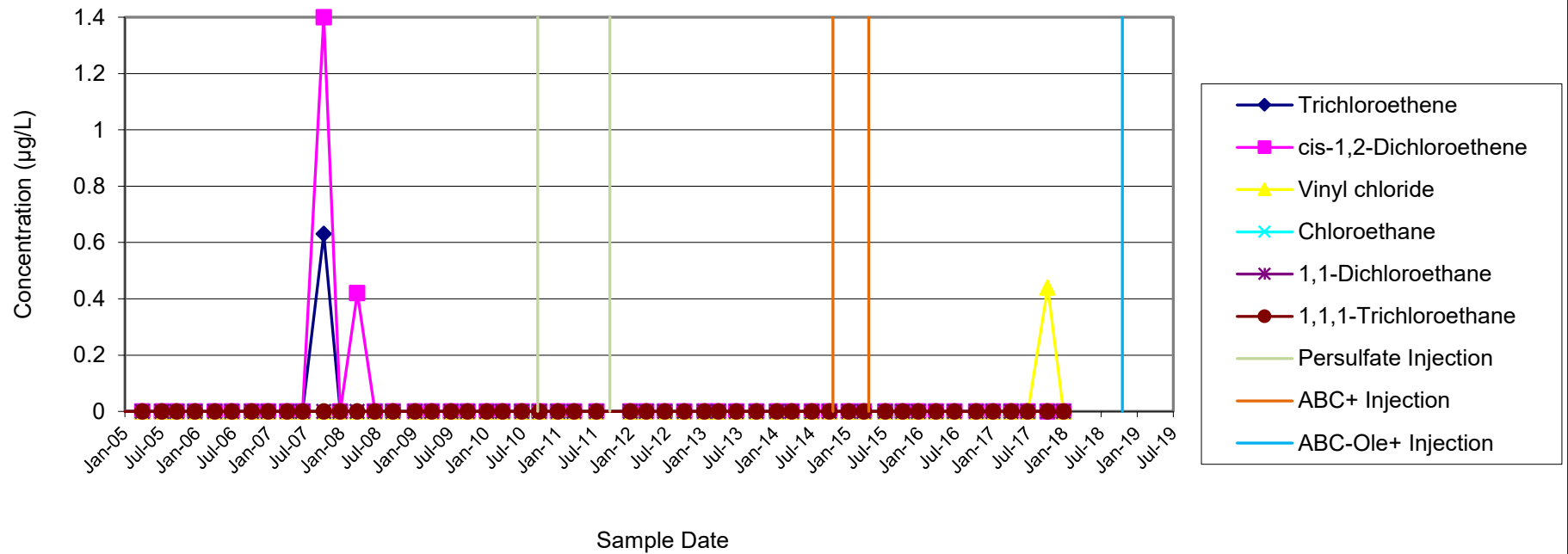
MONITORING WELL MW-6
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	< 10	< 10	< 10	< 10	< 10	< 6
10/12/2004	< 10	< 10	< 10	< 10	< 10	< 10
1/6/2005	< 10	< 10	< 10	< 10	< 10	< 10
4/14/2005	< 10	< 10	< 10	< 10	< 10	< 10
7/21/2005	< 5	< 5	< 5	< 5	< 5	< 5
10/4/2005	< 5	< 5	< 5	< 5	< 5	< 5
1/5/2006	< 5	< 5	< 5	< 5	< 5	< 5
4/14/2006	< 5	< 5	< 5	< 5	< 5	< 5
7/10/2006	< 5	< 5	< 5	< 5	< 5	< 5
10/18/2006	< 5	< 5	< 5	< 5	< 5	< 5
1/10/2007	< 5	< 5	< 5	< 5	< 5	< 5
4/16/2007	< 5	< 5	< 5	< 5	< 5	< 5
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/17/2007	0.63	1.4	< 5	< 5	< 5	< 5
1/8/2008	<5	<5	<5	< 5	< 5	< 5
4/3/2008	<5	0.42	<5	<5	<5	<5
7/1/2008	<5	<5	<5	<5	<5	<5
10/1/2008	<5	<5	<5	<5	<5	<5
1/20/2009	<5	<5	<5	<5	<5	<5
4/15/2009	<5	<5	<5	<5	<5	<5
7/21/2009	<5	<5	<5	<5	<5	<5
10/13/2009	<5	<5	<5	<5	<5	<5
1/18/2010	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
7/13/2010	<5	<5	<5	<5	<5	<5
10/11/2010	<5	<5	<5	<5	<5	<5
1/12/2011	<1	<1	<1	<1	<1	<1
4/4/2011	<1	<1	<1	<1	<1	<1
7/26/2011	<1	<1	<1	<1	<1	<1
1/12/2012	<1	<1	<1	<1	<1	<1
4/2/2012	<1	<1	<1	<1	<1	<1
7/5/2012	<1	<1	<1	<1	<1	<1
10/11/2012	<1	<1	<1	<1	<1	<1
1/21/2013	<1	<1	<1	<1	<1	<1
4/1/2013	<1	<1	<1	<1	<1	<1
7/1/2013	<1	<1	<1	<1	<1	<1
10/10/2013	<1	<1	<1	<1	<1	<1
1/22/2014	<1	<1	<1	<1	<1	<1
4/7/2014	<1	<1	<1	<1	<1	<1
7/17/2014	<1	<1	<1	<1	<1	<1
10/14/2014	<1	<1	<1	<1	<1	<1
1/20/2015	<1	<1	<1	<1	<1	<1
4/6/2015	<1	<1	<1	<1	<1	<1
7/23/2015	<1	<1	<1	<1	<1	<1
10/19/2015	<1	<1	<1	<1	<1	<1
1/6/2016	<1	<1	<1	<1	<1	<1
4/4/2016	<1	<1	<1	<1	<1	<1
7/7/2016	<1	<1	<1	<1	<1	<1
10/24/2016	<1	<1	<1	<1	<1	<1
1/17/2017	<1	<1	<1	<1	<1	<1
4/19/2017	<1	<1	<1	<1	<1	<1
7/12/2017	<1	<1	<1	<1	<1	<1
10/20/2017	<1	<1	0.44	<1	<1	<1
1/8/2018	<1	<1	<1	<1	<1	<1

Note well was decommissioned following the January 2018 sampling event.

MONITORING WELL MW-6
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

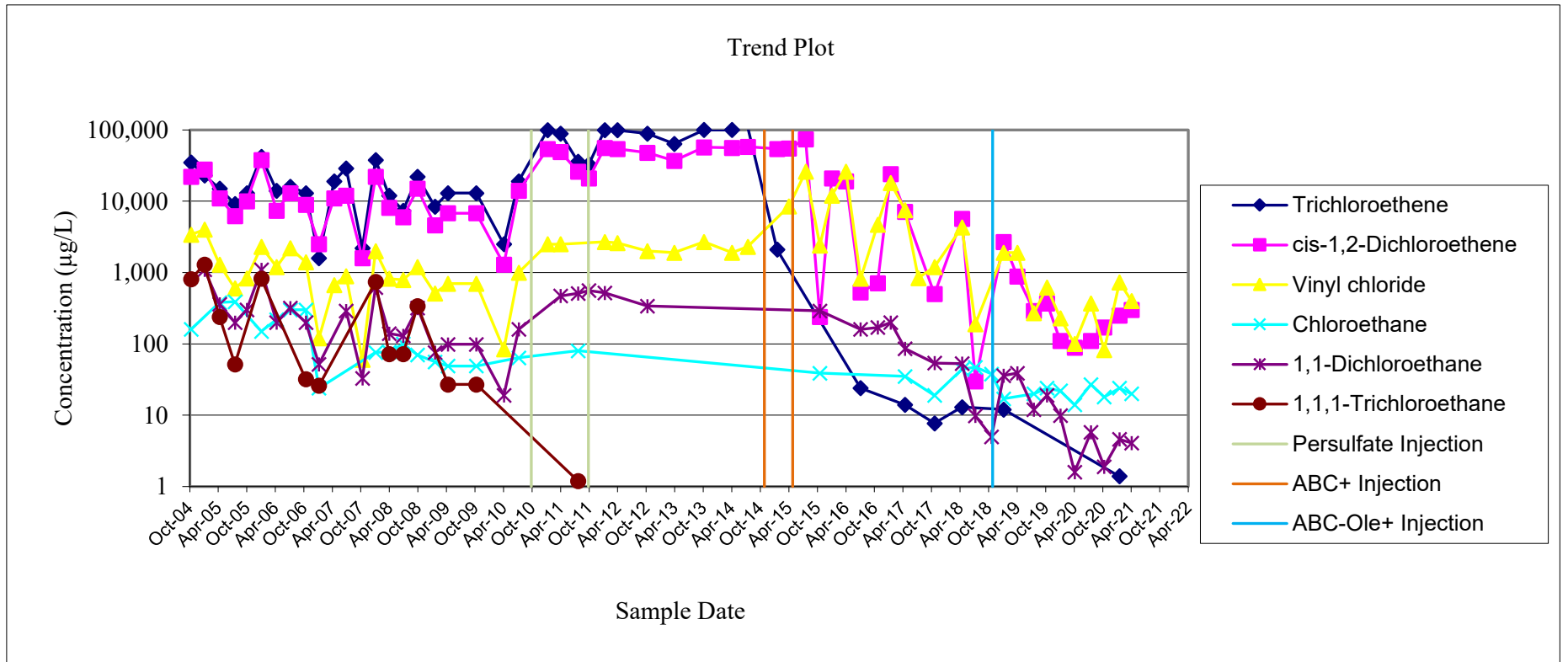


MONITORING WELL MW-8R
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
10/13/2004	35,000	22,000	3,400	160	< 5,000	810
1/7/2005	23,000	28,000	4,000	< 2,000	1,100	1,300
4/14/2005	15,000	11,000	1,300	380	360	240
7/21/2005	9,200	6,200	600	390	200	52
10/5/2005	13,000	10,000	830	< 1,000	300	<1,000
1/6/2006	42,000	38,000	2,300	150	1100	820
4/14/2006	14,000	7,400	1,200	220	200	< 1,000
7/10/2006	16,000	13,000	2,200	300	320	< 1,000
10/18/2006	13,000	8,900	1,400	300	200	32
1/10/2007	1,600	2,500	120	24	52	26
4/17/2007	19,000	11,000	670	< 1,000	< 1,000	< 1,000
7/3/2007	29,000	12,000	890	< 1,000	290	< 1,000
10/15/2007	2,200	1,600	60	< 200	33	< 200
1/8/2008	38,000	22,000	2,000	76	620	740
4/3/2008	12,000	8,100	820	77	140	72
7/2/2008	7,400	6,000	790	100	130	72
10/2/2008	22,000	15,000	1,200	70	320	340
1/22/2009	8,400	4,600	510	56	76	<100
4/15/2009	13,000	6,800	700	49	99	27
10/13/2009	13,000	6,800	700	49	99	27
4/8/2010	2,500	1,300	84	<100	19	<100
7/12/2010	19,000	14,000	1,000	64	160	<100
1/12/2011	99,000	54,000	2,500	<2000	<2000	<2000
4/6/2011	89,000	49,000	2,500	<800	470	<800
7/26/2011	36,000	26,000	<800	80	510	1.2
10/4/2011	33,000	21,000	<400	<400	560	<400
1/13/2012	99,000	56,000	2,700	<800	520	<800
4/3/2012	99,000	54,000	2,600	<2000	<2000	<2000
10/12/2012	89,000	48,000	2,000	<800	340	<800
4/2/2013	64,000	37,000	1,900	<1000	<1000	<1000
10/10/2013	100,000	57,000	2,700	<1000	<1000	<1000
4/7/2014	100,000	56,000	1,900	<1000	<1000	<1000
7/17/2014	110,000	58,000	2,300	<1000	<1000	<1000
1/21/2015	2,100	54,000	<2000	<2000	<2000	<2000
4/6/2015	<2000	55,000	8,500	<2000	<2000	<2000
7/23/2015	<200	74,000	26,000	<200	<200	<200
10/21/2015	<25	240	2,400	39	290	<25
1/6/2016	<1,000	21,000	12,000	<1,000	<1,000	<1,000
4/6/2016	<1,000	19,000	26,000	<1,000	<1,000	<1,000
7/8/2016	24	530	820	<20	160	<20
10/25/2016	<100	710	4,700	<100	170	<100
1/17/2017	<100	24,000	18,000	<100	200	<100
4/18/2017	14	7,100	7,500	35	86	<50
7/13/2017	<400	<400	840	<400	<400	<400
10/24/2017	7.7	500	1,200	19	54	<10
4/18/2018	13	5,700	4,300	44	53	<20
7/13/2018	<10	30	190	47	9.8	<10
10/24/2018	<10	<10	<10	38	5.0	<10
1/10/2019	12	2,700	1,900	17	36	<10
4/8/2019	<40	880	1,900	<40	39	<40
7/22/2019	<8	290	270	20	12	<8
10/15/2019	<10	370	620	24	19	<10
1/8/2020	<10	110	230	22	9.9	<10
4/8/2020	<2	89	100	14	1.6	<2
7/22/2020	<2	110	370	27	5.8	<2
10/14/2020	<2	170	82	18	1.9	<2
1/20/2021	1	250	730	24	4.6	<1
4/7/2021	<10	300	400	20	4.1	<10

Note well was not accessible during the January 2018 sampling event.

MONITORING WELL MW-8R
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



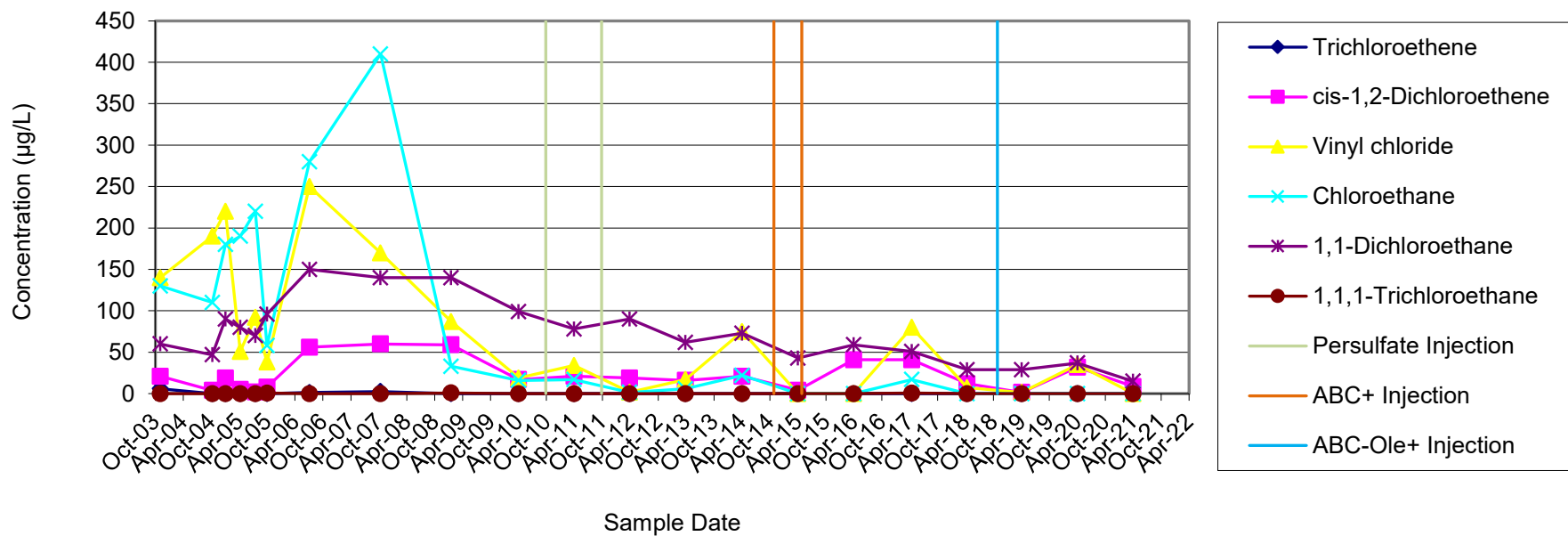
Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

MONITORING WELL MW-9
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	6	21	140	130	60	< 10
10/13/2004	< 10	4	190	110	47	< 10
1/6/2005	< 10	19	220	180	90	< 10
4/14/2005	< 10	5	51	190	80	< 10
7/21/2005	< 5	2	92	220	70	< 5
10/5/2005	< 5	8	38	58	96	0.68
7/10/2006	1.3	56	250	280	150	< 5
10/17/2007	2.6	60	170	410	140	< 25
1/21/2009	<5	59	87	33	140	0.81
4/7/2010	<5	17	19	16	99	< 5
4/4/2011	<1	21	34	17	78	<1
4/2/2012	<1	19	1.8	1.5	90	<1
4/1/2013	<1	16	17	5.9	62	<1
4/7/2014	<1	21	75	22	73	<1
4/7/2015	<1	4.1	<1	<1	43	<1
4/5/2016	<1	41	<1	<1	59	<1
4/20/2017	<1	41	80	17	51	0.6
4/17/2018	<1	12	7.2	<1	29	<1
4/8/2019	<1	1.6	1.6	<1	29	<1
4/7/2020	<1	32	35	<1	37	<1
4/6/2021	<1	8.7	<1	<1	15	<1

MONITORING WELL MW-9
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot



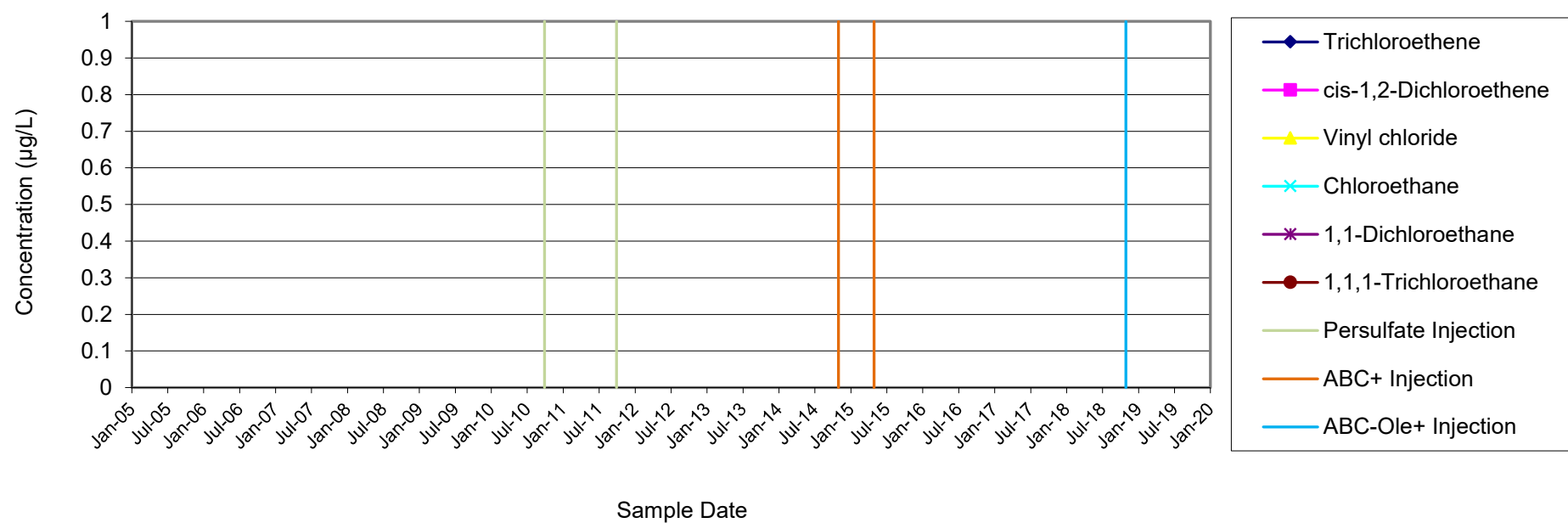
MONITORING WELL MW-10
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	< 10	< 10	<10
1/5/2006	< 5	< 5	< 5	< 5	< 5	< 5
4/14/2006	< 5	< 5	< 5	< 5	< 5	< 5
7/10/2006	< 5	< 5	< 5	< 5	< 5	< 5
10/18/2006	< 5	< 5	< 5	< 5	< 5	< 5
1/9/2007	< 5	< 5	< 5	< 5	< 5	< 5
4/16/2007	< 5	< 5	< 5	< 5	< 5	< 5
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/17/2007	< 5	< 5	< 5	< 5	< 5	< 5
1/9/2008	< 5	< 5	< 5	< 5	< 5	< 5
4/3/2008	< 5	< 5	< 5	< 5	< 5	< 5
7/1/2008	< 5	< 5	< 5	< 5	< 5	< 5
10/1/2008	< 5	< 5	< 5	< 5	< 5	< 5
1/20/2008	< 5	< 5	< 5	< 5	< 5	< 5
4/15/2009	< 5	< 5	< 5	< 5	< 5	< 5
7/21/2009	< 5	< 5	< 5	< 5	< 5	< 5
10/13/2009	< 5	< 5	< 5	< 5	< 5	< 5
1/18/2010	< 5	< 5	< 5	< 5	< 5	< 5
4/7/2010	< 5	< 5	< 5	< 5	< 5	< 5
7/13/2010	< 5	< 5	< 5	< 5	< 5	< 5
10/11/2010	< 5	< 5	< 5	< 5	< 5	< 5
1/12/2011	<1	<1	<1	<1	<1	<1
4/4/2011	<1	<1	<1	<1	<1	<1
7/26/2011	<1	<1	<1	<1	<1	<1
10/3/2011	<1	<1	<1	<1	<1	<1
1/12/2012	<1	<1	<1	<1	<1	<1
4/2/2012	<1	<1	<1	<1	<1	<1
7/5/2012	<1	<1	<1	<1	<1	<1
10/11/2012	<1	<1	<1	<1	<1	<1
4/1/2013	<1	<1	<1	<1	<1	<1
7/1/2013	<1	<1	<1	<1	<1	<1
10/10/2013	<1	<1	<1	<1	<1	<1
1/22/2014	<1	<1	<1	<1	<1	<1
4/7/2014	<1	<1	<1	<1	<1	<1
7/17/2014	<1	<1	<1	<1	<1	<1
10/14/2014	<1	<1	<1	<1	<1	<1
1/20/2015	<1	<1	<1	<1	<1	<1
4/6/2015	<1	<1	<1	<1	<1	<1
7/23/2015	<1	<1	<1	<1	<1	<1
10/19/2015	<1	<1	<1	<1	<1	<1
1/6/2016	<1	<1	<1	<1	<1	<1
4/4/2016	<1	<1	<1	<1	<1	<1
7/7/2016	<1	<1	<1	<1	<1	<1
10/24/2016	<1	<1	<1	<1	<1	<1
1/17/2017	<1	<1	<1	<1	<1	<1
4/19/2017	<1	<1	<1	<1	<1	<1
7/12/2017	<1	<1	<1	<1	<1	<1
10/20/2017	<1	<1	<1	<1	<1	<1
1/8/2018	<1	<1	<1	<1	<1	<1
4/17/2018	<1	<1	<1	<1	<1	<1
7/13/2018	<1	<1	<1	<1	<1	<1

Note well was decommissioned following the July 2018 sampling event.

MONITORING WELL MW-10
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

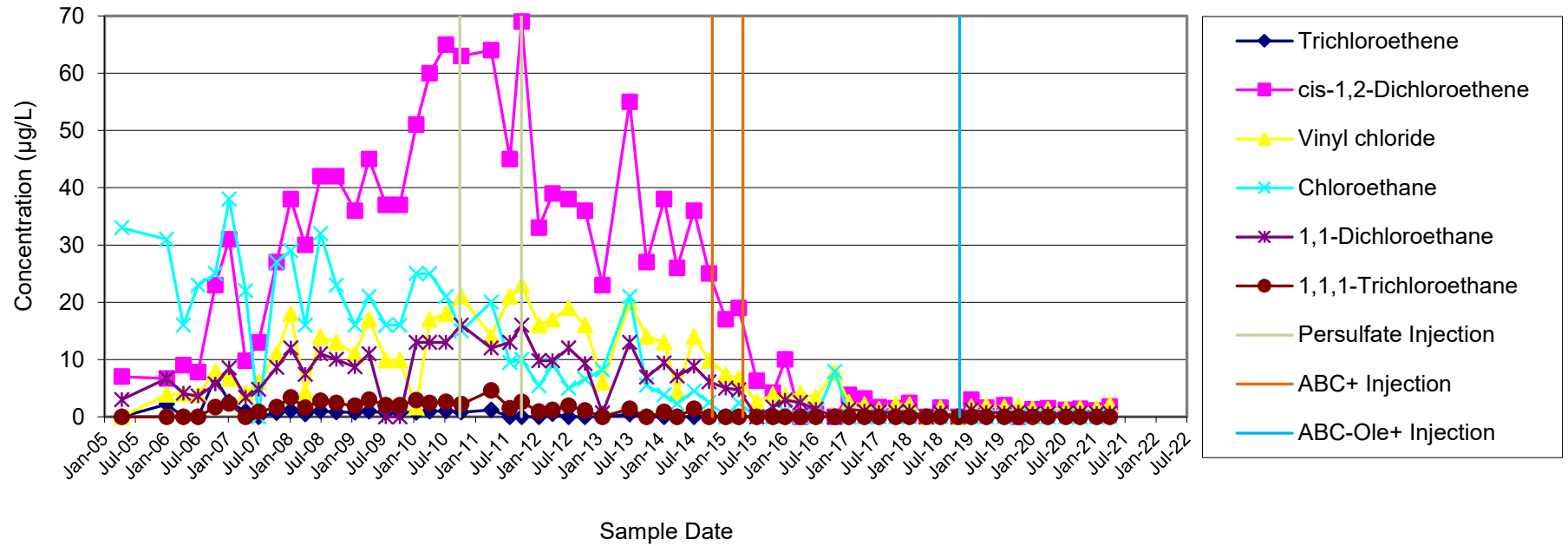


MONITORING WELL MW-11
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	7	< 10	33	3	< 10
1/5/2006	2.2	6.7	3.9	31	6.7	<20
4/14/2006	< 20	9	4	16	4.1	< 20
7/10/2006	< 20	7.8	3.9	23	3.6	< 20
10/19/2006	6.8	23	7.9	25	5.7	1.7
1/9/2007	2.6	31	6.7	38	8.5	2.3
4/16/2007	0.89	9.8	4.1	22	3.4	<5
7/2/2007	< 5	13	6.1	< 5	4.8	0.84
10/16/2007	0.71	27	11	27	8.6	1.7
1/8/2008	1.1	38	18	29	12	3.4
4/2/2008	0.49	30	4.3	16	7.4	1.6
7/1/2008	1	42	14	32	11	2.8
10/2/2008	0.81	42	13	23	10	2.4
1/20/2009	0.77	36	11	16	8.7	1.9
4/14/2009	0.95	45	17	21	11	3
7/22/2009	0.69	37	9.9	16	<5	2
10/13/2009	0.69	37	9.9	16	<5	2
1/18/2010	0.77	51	1.7	25	13	2.9
4/7/2010	0.95	60	17	25	13	2.4
7/12/2010	1	65	18	21	13	2.6
10/11/2010	0.8	63	21	15	16	2.2
4/5/2011	1.2	64	14	20	12	4.6
7/25/2011	<1	45	21	9.5	13	1.5
10/3/2011	<1	69	23	10	16	2.6
1/12/2012	<1	33	16	5.4	9.8	0.88
4/2/2012	0.51	39	17	9.1	9.8	1.2
7/5/2012	<1	38	19	5	12	1.9
10/11/2012	<1	36	16	6.6	9.3	1.1
1/21/2013	<1	23	6	8.2	0.64	<1
7/1/2013	0.46	55	20	21	13	1.4
10/9/2013	<1	27	14	5.5	6.9	<1
1/21/2014	<1	38	13	3.8	9.4	0.85
4/7/2014	<1	26	4.3	2.3	7.1	<1
7/16/2014	<1	36	14	4.5	8.8	1.4
10/14/2014	<1	25	9.8	2.5	6.1	<1
1/20/2015	<5	17	7.4	<5	5.0	<5
4/6/2015	<2	19	6.7	2.4	4.7	<2
7/22/2015	<1	6.3	2.5	<1	<1	<1
10/26/2015	<1	4.2	3.9	<1	1.7	<1
1/6/2016	<1	10	3.6	0.89	2.9	<1
4/4/2016	<1	<1	4.1	<1	2.5	<1
7/5/2016	<1	1.3	3.4	<1	1.3	<1
10/24/2016	<1	<1	7.7	7.9	<1	<1
1/17/2017	<1	3.8	2.5	<1	1.3	<1
4/18/2017	<1	3.2	2.1	<1	1	<1
7/12/2017	<1	1.7	1.3	<1	0.78	<1
10/20/2017	<1	1.5	2.2	<1	0.79	<1
1/8/2018	<1	2.4	2.1	<1	0.99	<1
4/18/2018	<2	<2	<2	<2	<2	<2
7/12/2018	<1	1.6	1.6	<1	0.68	<1
10/24/2018	<4	<4	<4	<4	<4	<4
1/9/2019	<1	3.0	1.8	<1	1.2	<1
4/8/2019	<1	1.6	1.9	<1	0.75	<1
7/23/2019	<1	2.0	1.7	<1	0.68	<1
10/15/2019	<1	<1	1.9	<1	0.82	<1
1/7/2020	<1	1.3	1.4	<1	0.54	<1
4/6/2020	<1	1.5	1.3	<1	0.54	<1
7/21/2020	<1	1.2	1.4	<1	0.59	<1
10/13/2020	<1	1.4	1.5	<1	0.64	<1
1/19/2021	<1	1.1	1.5	<1	0.58	<1
4/6/2021	<1	1.8	2.1	<1	0.66	<1

MONITORING WELL MW-11
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot



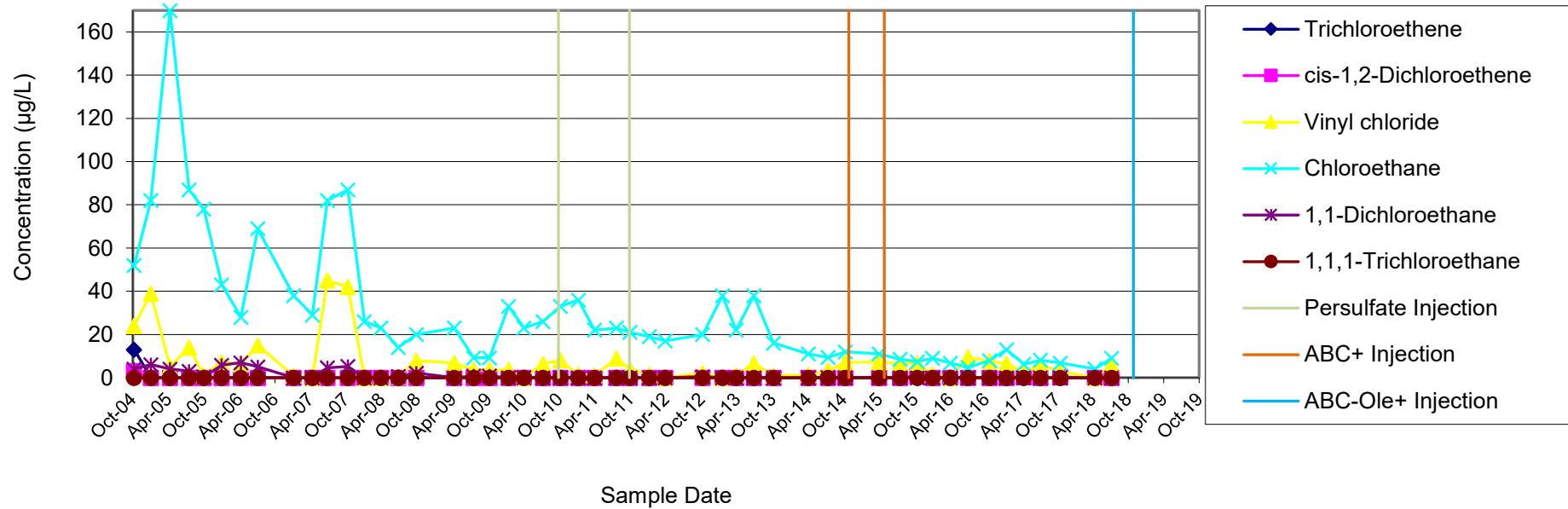
MONITORING WELL MW-12
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
10/12/2004	13	3	24	52	4	< 10
1/6/2005	< 10	< 10	39	82	6	< 10
4/14/2005	< 10	< 10	5	170	4	< 10
7/21/2005	< 5	< 5	14	87	3	<
10/5/2005	< 5	< 5	1.2	78	0.43	< 5
1/5/2006	< 25	< 25	7.2	43	5.8	< 25
4/14/2006	< 25	< 25	6.3	28	6.9	< 25
7/10/2006	< 25	< 25	15	69	5	< 25
1/9/2007	< 5	< 5	0.83	38	< 5	< 5
4/16/2007	< 20	< 20	< 20	29	< 20	< 20
7/2/2007	< 5	< 5	45	82	4.6	< 5
10/15/2007	< 5	< 5	42	87	5.2	< 5
1/8/2008	< 5	< 5	< 5	26	< 5	< 5
4/2/2008	< 5	< 5	< 5	23	< 5	< 5
7/1/2008	< 5	< 5	0.64	14	0.55	< 5
10/1/2008	< 5	< 5	7.8	20	2.1	< 5
4/14/2009	<5	<5	6.8	23	<5	<5
7/22/2009	<5	<5	3.6	9.2	0.79	<5
10/12/2009	<5	<5	3.6	9.2	0.79	<5
1/18/2010	<5	<5	3.6	33	<5	<5
4/7/2010	<5	<5	< 5	23	<5	<5
7/13/2010	<5	<5	6.4	26	<5	<5
10/11/2010	<5	<5	8.1	33	<5	<5
1/12/2011	<1	<1	1.3	36	<1	<1
4/4/2011	<1	<1	1.1	22	<1	<1
7/26/2011	<1	<1	8.9	23	<1	<1
10/4/2011	<1	<1	3.9	21	<1	<1
1/12/2012	<1	<1	1.4	19	<1	<1
4/2/2012	<1	<1	<1	17	<1	<1
10/11/2012	<1	<1	2.1	20	0.49	<1
1/21/2013	<1	<1	<1	38	<1	<1
4/1/2013	<1	<1	1.1	22	<1	<1
7/1/2013	<1	<1	6.6	38	<1	<1
10/10/2013	<1	<1	0.95	16	<1	<1
4/7/2014	<1	<1	1.2	11	<1	<1
7/17/2014	<1	<1	3.3	9.4	<1	<1
10/14/2014	<1	<1	7.1	12	<1	<1
4/6/2015	<1	<1	7.2	11	<1	<1
7/23/2015	<1	<1	6.6	8.5	<1	<1
10/19/2015	<1	0.88	6.7	7.4	<1	<1
1/6/2016	<1	<1	1.5	9	<1	<1
4/5/2016	<5	<5	< 5	6.8	<5	<5
7/6/2016	<5	<5	9.4	4.7	<5	<5
10/24/2016	<1	<1	7.7	7.9	<1	<1
1/19/2017	<1	<1	6.5	13	<1	<1
4/18/2017	<1	0.36	2.6	6.2	<1	<1
7/12/2017	<1	<1	5.8	8.1	<1	<1
10/23/2017	<1	0.24	2.9	6.8	<1	<1
4/18/2018	<4	<4	<4	4.1	<4	<4
7/13/2018	<5	<5	6.1	9.1	<5	<5

Note well was decommissioned following the July 2018 sampling event.

MONITORING WELL MW-12
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot



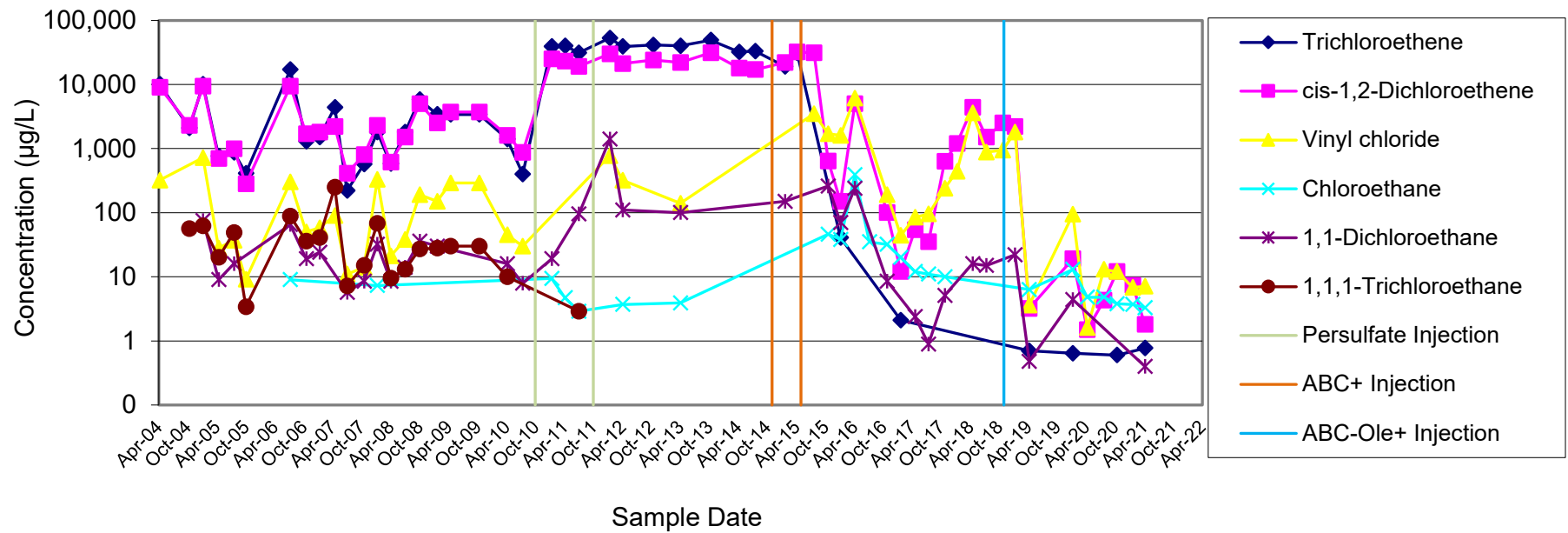
PIEZOMETER MW-13S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	10,000	9,000	320	< 100	< 100	< 100
10/12/2004	2,100	2,300	< 200	< 200	< 200	56
1/6/2005	10,000	9,400	720	< 200	75	62
4/15/2005	760	700	28	< 50	9	20
7/20/2005	870	990	37	< 40	16	49
10/4/2005	410	280	9.1	< 40	< 40	3.4
7/10/2006	17,000	9,400	300	9	65	88
10/19/2006	1,300	1,700	50	<100	19	36
1/10/2007	1,500	1,800	58	<100	24	41
4/17/2007	4,400	2,200	90	< 250	< 250	250
7/3/2007	220	410	11	< 25	5.7	7.2
10/18/2007	570	800	14	< 25	8.5	15
1/9/2008	1800	2300	330	7.3	32	68
4/3/2008	580	610	21	<50	8.5	9.5
7/2/2008	1,800	1,500	38	<120	14	13
10/2/2008	5,800	5,000	190	<120	36	27
1/20/2009	3,400	2,500	150	<10	30	28
4/15/2009	3,400	3,700	290	<40	<40	30
10/13/2009	3,400	3,700	290	<40	<40	30
4/7/2010	1,400	1,600	45	<50	16	10
7/13/2010	400	870	30	<50	7.9	<50
1/12/2011	39,000	25,000	<500	9.4	19	<1
4/6/2011	40,000	23,000	<800	4.7	<800	<800
7/2/2011	31,000	19,000	<800	2.9	95	2.9
1/13/2012	53,000	30,000	770	<800	1400	<800
4/3/2012	39,000	21,000	320	3.7	110	<1
10/12/2012	41,000	24,000	<800	<800	<800	<800
4/2/2013	40,000	22,000	140	3.9	100	<1
10/10/2013	49,000	31,000	<1	<1	<1	<1
4/7/2014	32,000	18,000	<500	<500	<500	<500
7/17/2014	33,000	17,000	<500	<500	<500	<500
1/21/2015	19,000	22,000	<500	<500	150	<500
4/7/2015	31,000	32,000	<500	<500	<500	<500
7/23/2015	<500	31,000	3,500	<500	<500	<500
10/20/2015	<10	640	1,700	46	260	<10
1/6/2016	41	150	1,600	38	70	<25
4/5/2016	<100	5,000	6,100	390	240	<100
7/6/2016	<4	<4	<4	35	<4	<4
10/25/2016	<2	100	190	32	8.5	<2
1/19/2017	2.1	12	44	20	<2	<2
4/19/2017	<1	54	85	12	2.4	<1
7/13/2017	<2	35	95	11	0.89	<2
10/24/2017	<5	630	240	10	5.1	<5
1/9/2018	<40	1,200	440	<40	<40	<40
4/17/2018	<40	4,400	3,600	<40	16	<40
7/13/2018	<40	1,500	880	<40	15	<40
10/24/2018	<40	2,500	940	<40	<40	<40
1/9/2019	<40	2,200	1,800	<40	22	<40
4/8/2019	0.7	3.2	4	6.3	0.48	<1
1/8/2020	0.64	19	94	13	4.4	<1
4/8/2020	<1	1.5	1.6	4.8	<1	<1
7/22/2020	<1	4.3	13	4.8	<1	<1
10/13/2020	0.60	12	12	3.8	<1	<1
1/20/2021	<1	7.3	6.8	3.7	<1	<1
4/7/2021	0.77	1.8	7.1	3.3	0.40	<1

Note well was dry during the July 2019 and October 2019 sampling events.

MONITORING WELL MW-13S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

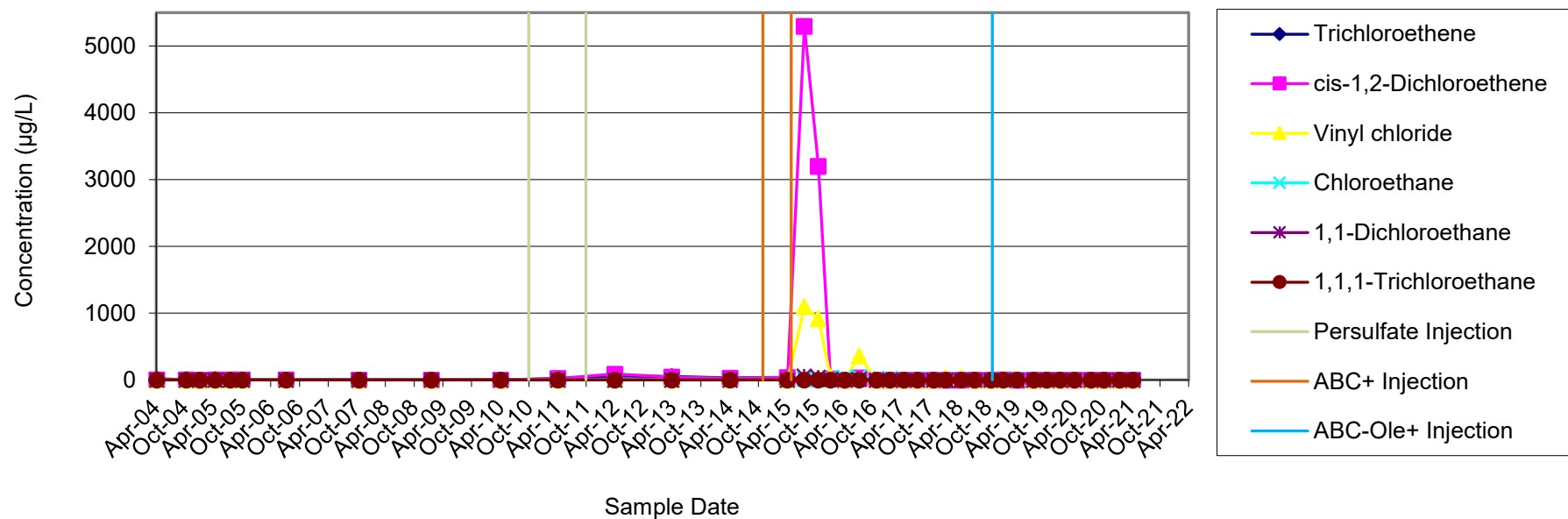


PIEZOMETER MW-13D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	17	2	< 10	< 10	< 10	< 10
10/12/2004	7	2	< 10	< 10	< 10	< 10
1/6/2005	< 10	< 10	< 10	< 10	< 10	< 10
4/15/2005	8	4	< 10	< 10	< 10	< 10
7/20/2005	1	2	< 5	< 5	< 5	< 5
10/4/2005	1.4	1.5	< 5	< 5	< 5	< 5
7/10/2006	2	1.6	2.6	< 5	< 5	< 5
10/18/2007	<5	0.55	1.1	< 5	< 5	< 5
1/20/2009	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
4/6/2011	22	23	<1	<1	<1	<1
4/3/2012	62	89	2.3	<1	<1	<1
4/1/2013	53	44	2.9	<1	<1	<1
4/7/2014	30	28	1.9	<1	<1	<1
4/7/2015	40	37	<1	<1	<1	<1
7/23/2015	2	5300	1100	11	56	<1
10/20/2015	<100	3200	920	<100	42	<100
1/6/2016	<10	15	47	38	12	<10
4/6/2016	<10	<10	<10	36	<10	<10
7/6/2016	<10	34	360	51	7.8	<10
10/25/2016	0.47	1	<1	12	<1	<1
1/19/2017	<1	<1	<1	25	<1	<1
4/19/2017	<1	0.87	<1	9	<1	<1
7/13/2017	<1	<1	<1	13	<1	<1
10/24/2017	<1	<1	<1	6.9	<1	<1
1/9/2018	<1	1.1	39	9.9	0.73	<1
4/18/2018	<1	1	39	6.5	<1	<1
7/13/2018	<1	<1	<1	5.5	<1	<1
10/24/2018	<1	<1	<1	4.2	<1	<1
1/10/2019	<1	1.6	1.2	7.4	<1	<1
4/8/2019	<1	<1	18	9.8	<1	<1
7/24/2019	<1	<1	<1	0.73	<1	<1
10/15/2019	<1	<1	<1	4.5	<1	<1
1/8/2020	<1	<1	<1	2.5	<1	<1
4/8/2020	<1	<1	4.0	2.9	<1	<1
7/22/2020	<1	<1	<1	2.8	<1	<1
10/13/2020	<1	<1	<1	3.5	<1	<1
1/20/2021	<1	<1	<1	2.4	<1	<1
4/15/2021	<1	<1	<1	2.6	<1	<1

PIEZOMETER MW-13D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot



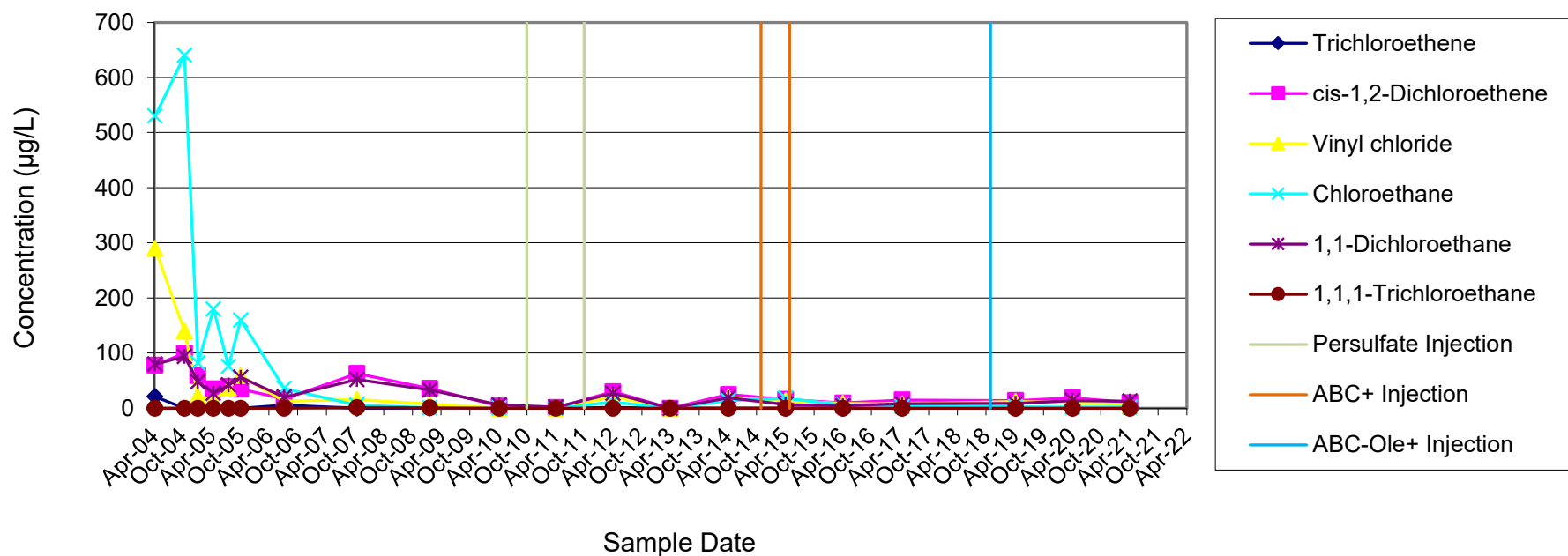
PIEZOMETER MW-14S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	78	290	530	80	< 20
10/12/2004	< 10	100	140	640	94	< 10
1/6/2005	< 10	59	22	82	48	< 10
4/15/2005	< 10	35	15	180	27	< 10
7/20/2005	< 5	39	36	76	42	< 5
10/5/2005	< 5	35	59	160	56	< 5
7/10/2006	5.7	17	13	36	20	< 25
10/15/2007	< 5	63	16	5.7	52	1.3
1/21/2009	0.38	36	7.9	0.87	33	0.63
4/8/2010	< 5	4	< 5	0.62	5.9	< 5
4/5/2011	< 1	1.1	< 1	< 1	1.9	< 1
4/2/2012	1.3	30	21	11	27	< 1
4/1/2013	< 1	< 1	< 1	< 1	< 1	< 1
4/7/2014	< 1	25	19	14	19	< 1
4/7/2015	< 1	16	14	18	6.8	< 1
4/5/2016	< 1	9.6	8.9	6.3	4.4	< 1
4/18/2017	< 1	15	7.8	2.8	8.1	< 1
4/10/2019	< 1	14	12	2.7	8.9	< 1
4/7/2020	< 1	19	10	1.8	14	< 1
4/7/2021	< 1	10	6.00	1.9	13	< 1

Well was flooded and not sampled in April 2018.

PIEZOMETER MW-14S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot



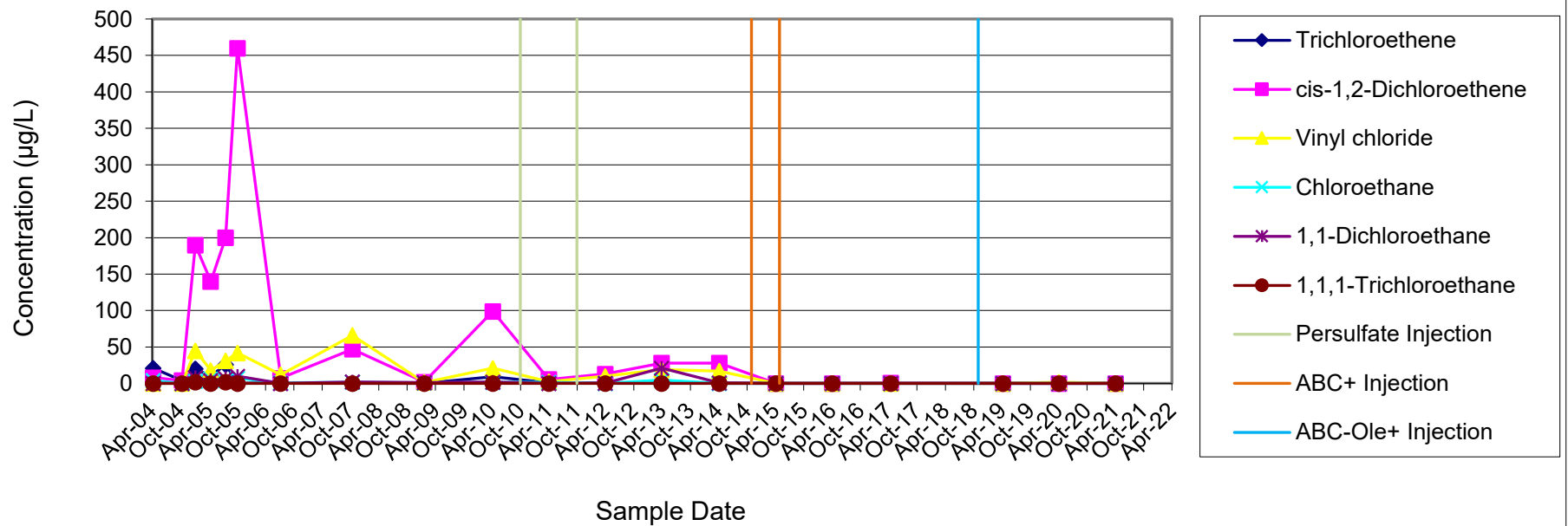
PIEZOMETER MW-14D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	8	< 10	4	< 10	< 10
10/12/2004	4	4	< 10	< 10	< 10	< 10
1/6/2005	20	190	45	3	8	2
4/15/2005	10	140	18	6	4	< 10
7/20/2005	26	200	31	4	7	2
10/5/2005	< 10	460	42	7.2	9.9	<10
7/10/2006	0.96	7.2	12	0.82	< 5	< 5
10/15/2007	< 5	47	66	1.8	2.2	< 5
1/21/2009	<5	2	1.4	0.91	1.3	<5
4/8/2010	9.4	99	21	1.5	2	<5
4/5/2011	0.97	5.6	2.6	1.5	<1	<1
4/2/2012	0.64	13	9.9	<1	0.44	<1
4/1/2013	0.99	28	19	4.6	21	<1
4/7/2014	<1	28	17	<1	0.82	<1
4/7/2015	<1	<1	<1	<1	<1	<1
4/5/2016	<1	<1	<1	<1	<1	<1
4/18/2017	<1	0.65	<1	<1	<1	<1
4/10/2019	<1	<1	<1	<1	<1	<1
4/7/2020	<1	<1	1.7	<1	<1	<1
4/7/2021	<1	<1	<1	<1	<1	<1

Well was flooded and not sampled in April 2018.

PIEZOMETER MW-14D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

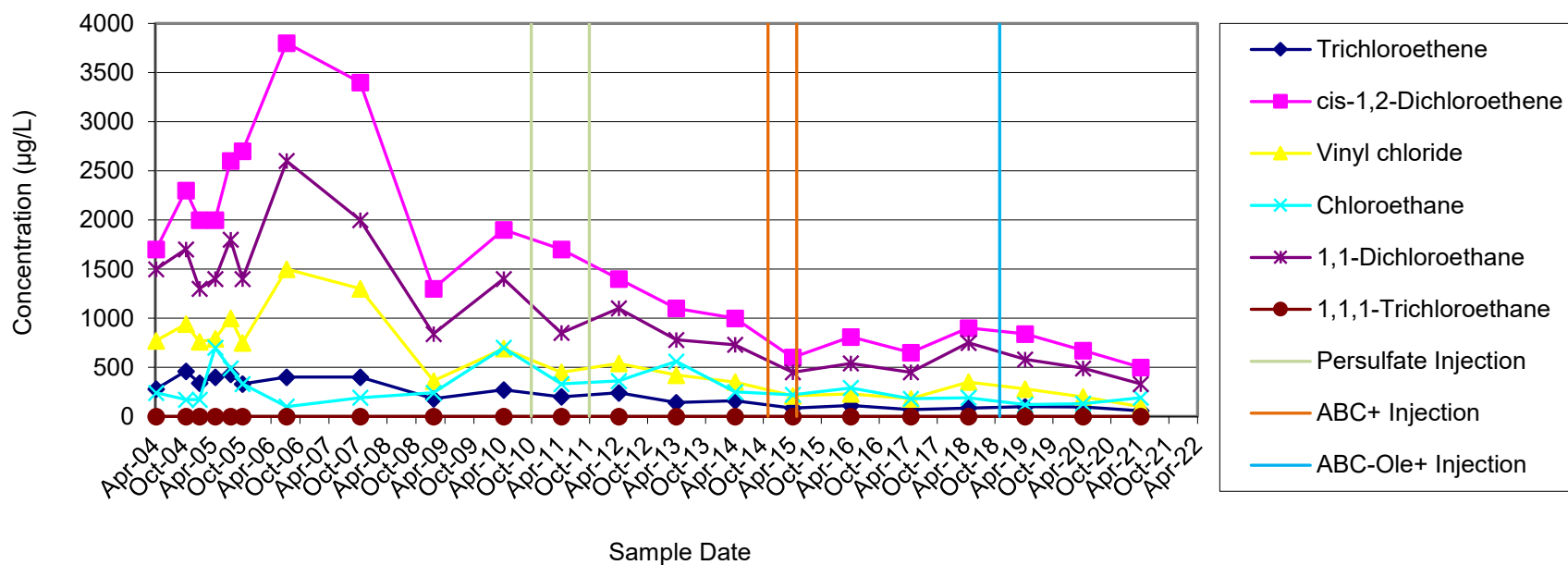


PIEZOMETER MW-15S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	280	1,700	770	240	1,500	< 250
10/12/2004	460	2,300	940	170	1,700	< 250
1/7/2005	340	2,000	760	170	1,300	< 250
4/15/2005	400	2,000	790	700	1,400	< 200
7/21/2005	430	2,600	1,000	490	1,800	< 120
10/5/2005	330	2,700	750	330	1,400	<100
7/10/2006	400	3,800	1,500	100	2,600	< 25
10/16/2007	400	3400	1300	190	2000	< 200
1/21/2009	180	1300	360	240	840	<5
4/8/2010	270	1900	690	700	1400	<10
4/7/2011	200	1700	450	330	850	<1
4/3/2012	240	1400	540	360	1100	<1
4/1/2013	140	1100	420	560	780	<20
4/7/2014	160	1000	350	250	730	<20
4/6/2015	85	600	210	220	450	<20
4/6/2016	110	810	230	290	540	<20
4/19/2017	70	650	180	180	450	<5
4/18/2018	85	900	350	190	750	<20
4/10/2019	98	840	280	120	580	<20
4/10/2020	95	670	200	130	490	<20
4/8/2021	58	500	100	190	330	<20

PIEZOMETER MW-15S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

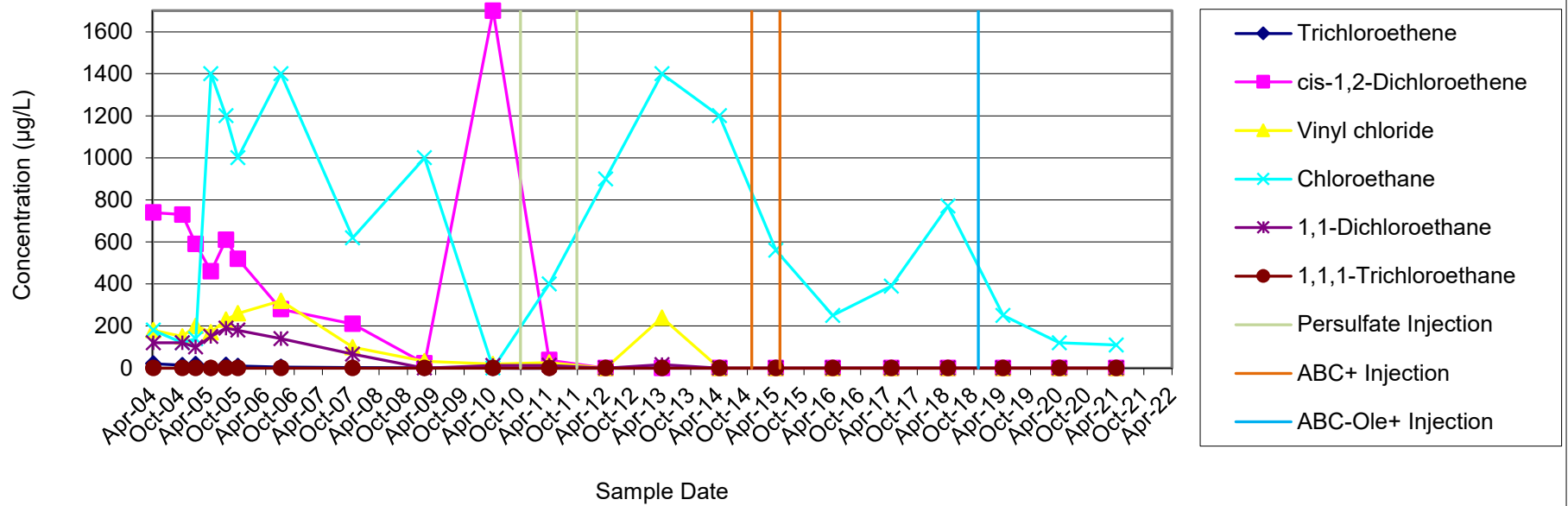


PIEZOMETER MW-15D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	740	180	180	120	< 10
10/12/2004	14	730	150	120	120	< 50
1/7/2005	18	590	200	140	100	< 50
4/15/2005	< 50	460	170	1,400	150	< 50
7/21/2005	15	610	230	1,200	190	< 25
10/5/2005	10	520	260	1,000	180	<50
7/10/2006	4.9	280	320	1,400	140	< 5
10/16/2007	3.6	210	99	620	66	< 5
1/21/2009	<25	22	32	1000	<25	<25
4/8/2010	<5	1700	19	<5	12	<5
4/5/2011	<8	38	26	400	13	<8
4/3/2012	<10	<10	<10	900	<10	<10
4/1/2013	<8	<8	240	1400	16	<8
4/7/2014	<20	<20	<20	1200	<20	<20
4/6/2015	<20	<20	<20	560	<20	<20
4/6/2016	<5	<5	<5	250	<5	<5
4/19/2017	<1	<1	<1	390	0.35	<1
4/19/2018	<5	<5	<5	770	<5	<5
4/10/2019	<8	<8	<8	250	<8	<8
4/6/2020	<2	<2	<2	120	<2	<2
4/8/2021	<2	<2	<2	110	<2	<2

PIEZOMETER MW-15D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

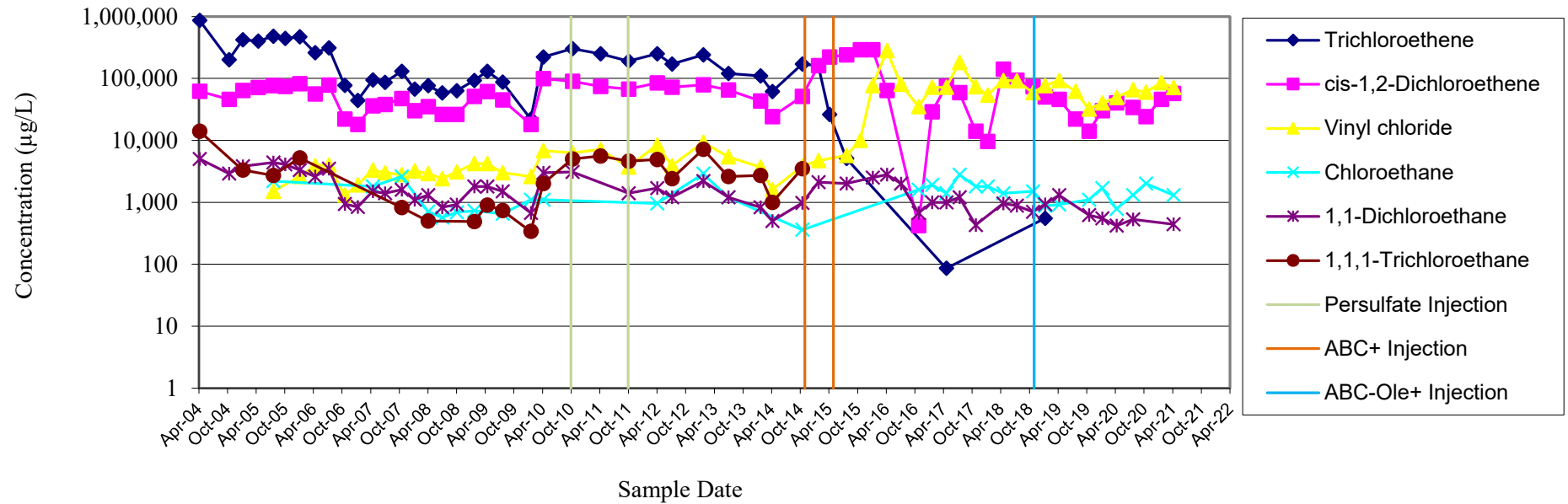


PIEZOMETER MW-16S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	860,000	62,000	< 20,000	< 20,000	5,000	14,000
10/12/2004	200,000	46,000	< 10,000	< 10,000	2,900	< 10,000
1/7/2005	420,000	64,000	< 10,000	< 10,000	3,800	3,300
4/15/2005	400,000	71,000	< 25,000	< 25,000	< 25,000	< 25,000
7/21/2005	480,000	76,000	1,500	2,200	4,400	2,700
10/5/2005	440,000	74,000	< 25,000	< 25,000	4,100	< 25,000
1/6/2006	470,000	82,000	2,600	< 20,000	3,300	5,200
4/14/2006	260,000	56,000	3,900	< 20,000	2,600	< 20,000
7/10/2006	310,000	78,000	4,000	< 20,000	3,500	< 20,000
10/19/2006	77,000	22,000	1,300	< 5,000	940	< 5,000
1/10/2007	44,000	18,000	1,900	< 2,500	840	< 2,500
4/17/2007	94,000	36,000	3,300	1,800	1,500	< 5,000
7/3/2007	86,000	38,000	3,000	< 5,000	1,400	< 5,000
10/18/2007	130,000	47,000	2,800	2,600	1,600	820
1/8/2008	67,000	30,000	3,200	< 5,000	1,100	< 5,000
4/3/2008	76,000	35,000	2,900	710	1,300	500
7/2/2008	58,000	26,000	2,400	570	830	< 5,000
10/2/2008	63,000	26,000	3,100	690	920	< 5,000
1/22/2009	92,000	51,000	4,200	730	1,800	490
4/15/2009	130,000	61,000	4,200	< 2,000	1,800	900
7/22/2009	87,000	45,000	3,000	650	1,500	740
1/19/2010	22,000	18,000	2,600	1,100	670	340
4/8/2010	220,000	99,000	6,800	1,100	3,000	2,000
10/11/2010	300,000	90,000	6,300	< 20,000	3,100	5,000
4/7/2011	250,000	74,000	7,100	< 4,000	< 4,000	5,600
10/4/2011	190,000	67,000	3,700	< 800	1,400	4,600
4/3/2012	250,000	84,000	8,400	960	1,700	4,900
7/6/2012	170,000	72,000	3,900	< 2,000	1,200	2,400
1/21/2013	240,000	79,000	9,300	2,900	2,200	7,200
7/1/2013	120,000	65,000	5,400	1,200	1,200	2,600
1/22/2014	110,000	43,000	3,700	< 2,000	830	2,700
4/7/2014	61,000	24,000	1,600	< 1,000	500	1,000
10/14/2014	170,000	51,000	3,800	360	980	3,500
1/26/2015	160,000	160,000	4,700	< 4,000	2,100	< 4,000
4/7/2015	26,000	220,000	< 4,000	< 4,000	< 4,000	< 4,000
7/24/2015	5,100	240,000	5,700	< 4,000	2,000	< 4,000
10/20/2015	< 4,000	290,000	10,000	< 4,000	< 4,000	< 4,000
1/6/2016	< 4,000	290,000	76,000	< 4,000	2,500	< 4,000
4/7/2016	< 4,000	64,000	280,000	< 4,000	2,800	< 4,000
7/5/2016	< 2,000	< 2,000	80,000	< 2,000	2,000	< 2,000
10/26/2016	< 500	420	35,000	1,600	670	< 500
1/19/2017	< 500	29,000	72,000	1,900	1,000	< 500
4/20/2017	86	75,000	72,000	1,400	1,000	< 200
7/13/2017	< 1,000	59,000	180,000	2,800	1,200	< 200
10/24/2017	< 500	14,000	73,000	1,800	430	< 500
1/9/2018	< 1,000	9,600	54,000	1,800	< 1,000	< 1,000
4/18/2018	< 1,000	140,000	92,000	1,400	960	< 1,000
7/13/2018	< 1,000	93,000	91,000	< 1,000	880	< 1,000
10/25/2018	< 1,000	73,000	59,000	1,500	700	< 1,000
1/9/2019	550	50,000	76,000	870	930	< 1,000
4/9/2019	< 1,000	46,000	92,000	920	1,300	< 1,000
7/23/2019	< 2,500	22,000	62,000	< 2,500	< 2,500	< 2,500
10/17/2019	< 1,000	14,000	32,000	1,100	620	< 1,000
1/9/2020	< 1,000	30,000	40,000	1,700	550	< 1,000
4/10/2020	< 1	40,000	49,000	780	420	< 1
7/23/2020	< 1	34,000	66,000	1,300	530	< 1
10/14/2020	< 1,000	24,000	60,000	2,000	< 1,000	< 1,000
1/20/2021	< 1,000	46,000	85,000	< 1,000	< 1,000	< 1,000
4/7/2021	< 1,000	57,000	71,000	1,300	440	< 1,000

MONITORING WELL MW-16S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

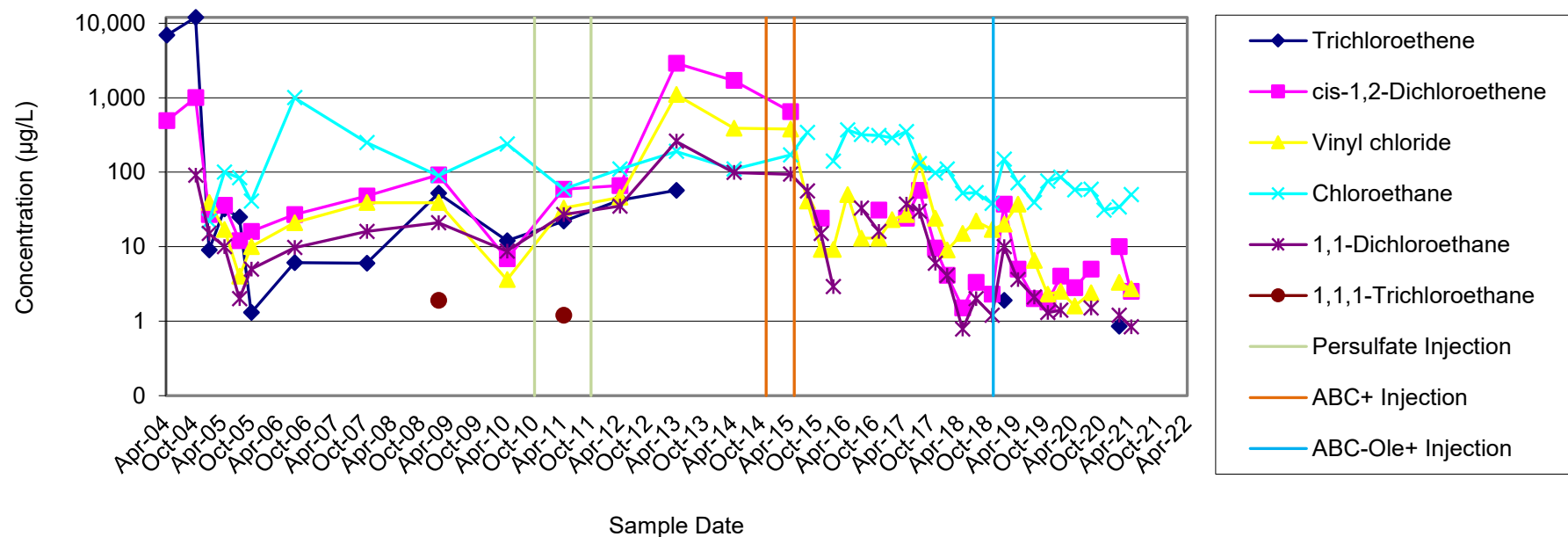


PIEZOMETER MW-16D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	6,900	490	< 500	< 500	< 500	< 500
10/12/2004	12,000	1,000	< 500	< 500	91	< 500
1/6/2005	9	27	39	22	15	< 10
4/15/2005	32	36	17	100	10	< 10
7/21/2005	25	12	4	84	2	< 10
10/5/2005	1.3	16	10	41	5	<5
7/10/2006	6.1	27	21	1,000	9.7	< 5
10/18/2007	6	48	39	250	16	< 20
1/22/2009	52	92	39	90	21	1.9
4/8/2010	12	6.9	3.6	240	8.7	< 10
4/7/2011	22	59	33	59	27	1.2
4/3/2012	42	66	46	110	35	<1
4/1/2013	57	2900	1100	190	260	<1
4/7/2014	<25	1700	390	110	99	<25
4/7/2015	<25	650	380	170	94	<25
7/23/2015	<25	<25	41	340	56	<25
10/20/2015	<10	24	9.2	<10	15	<10
1/6/2016	<5	<5	9.2	140	2.9	<5
4/7/2016	<10	<10	50	370	<10	<10
7/5/2016	<10	<10	13	320	33	<10
10/26/2016	<10	31	13	310	16	<10
1/19/2017	<10	<10	23	290	<10	<10
4/20/2017	<1	24	27	350	37	<1
7/13/2017	<5	57	140	130	30	<5
10/24/2017	<1	9.6	24	98	6	<1
1/8/2018	<1	4.1	9.0	110	4.1	<1
4/18/2018	<1	1.5	15	52	0.78	<1
7/13/2018	<1	3.3	22	53	2.0	<1
10/25/2018	<1	2.3	17	38	1.2	<1
1/10/2019	1.9	37	20	150	10.0	<1
4/8/2019	<2	5.0	37	72	3.6	<2
7/22/2019	<1	2.0	6.5	39	2.1	<1
10/17/2019	<1	1.8	2.3	76	1.3	<1
1/9/2020	<1	4.0	2.5	86	1.4	<1
4/9/2020	<1	2.8	1.6	58	<1	<1
7/23/2020	<1	5.0	2.4	59	1.5	<1
10/14/2020	<1	<1	<1	31	<1	<1
1/20/2021	0.85	10	3.3	34	1.2	<1
4/7/2021	<1	2.5	2.7	50	0.84	<1

PIEZOMETER MW-16D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot



Appendix E

Analytical Laboratory Data Packages

(Provided on CD)

ANALYTICAL REPORT

Job Number: 480-182886-1

Job Description: Scott Figgie West of Plant 2

For:
AECOM
257 West Genesee Street
Suite 400
Buffalo, NY 14202-2657
Attention: Mr. Dino Zack



Approved for release.
Rebecca M Jones
Project Management Assistant I
4/26/2021 3:25 PM

Designee for
Brian J Fischer, Manager of Project Management
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
Brian.Fischer@Eurofinset.com
04/26/2021

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Eurofins TestAmerica, Buffalo

10 Hazelwood Drive, Amherst, NY 14228-2298

Tel (716) 691-2600 Fax (716) 691-7991 www.testamericainc.com



Table of Contents

Cover Title Page	1
Data Summaries	6
Report Narrative	6
Sample Summary	8
Detection Summary	9
Method Summary	16
Client Sample Results	17
Surrogate Summary	80
QC Sample Results	82
Definitions	116
QC Association	118
Chronicle	128
Certification Summary	137
Organic Sample Data	138
GC/MS VOA	138
Method 8260C	138
Method 8260C QC Summary	139
Method 8260C Sample Data	183
Standards Data	471
Method 8260C ICAL Data	471
Method 8260C CCAL Data	997
Raw QC Data	1075
Method 8260C Tune Data	1075
Method 8260C Blank Data	1111
Method 8260C LCS/LCSD Data	1157
Method 8260C MS/MSD Data	1203

Table of Contents

Method 8260C Run Logs	1213
Method 8260C Prep Data	1222
GC VOA	1235
Method RSK-175	1235
Method RSK-175 QC Summary	1236
Method RSK-175 Sample Data	1244
Standards Data	1273
Method RSK-175 ICAL Data	1273
Method RSK-175 CCAL Data	1356
Raw QC Data	1392
Method RSK-175 Blank Data	1392
Method RSK-175 LCS/LCSD Data	1401
Method RSK-175 Run Logs	1427
Method RSK-175 Prep Data	1434
Method RSK-175 CO2	1437
Method RSK-175 CO2 QC Summary	1438
Method RSK-175 CO2 Sample Data	1444
Standards Data	1462
Method RSK-175 CO2 ICAL Data	1462
Method RSK-175 CO2 CCAL Data	1479
Raw QC Data	1499
Method RSK-175 CO2 Blank Data	1499
Method RSK-175 CO2 LCS/LCSD Data	1506
Method RSK-175 CO2 Run Logs	1518
Method RSK-175 CO2 Prep Data	1521
Inorganic Sample Data	1523

Table of Contents

Metals Data	1523
Met Cover Page	1524
Met Sample Data	1525
Met QC Data	1537
Met ICV/CCV	1537
Met Blanks	1569
Met ICSA/ICSAB	1592
Met LCS/LCSD	1614
Met MDL	1623
Met IECF	1633
Met Linear Ranges	1640
Met Preparation Log	1642
Met Analysis Run Log	1650
Met ICP/MS Int Stds	1667
Met Raw Data	1676
Met Prep Data	6292
General Chemistry Data	6309
Gen Chem Cover Page	6310
Gen Chem Sample Data	6311
Gen Chem QC Data	6338
Gen Chem ICV/CCV	6338
Gen Chem Blanks	6352
Gen Chem MS/MSD/PDS	6354
Gen Chem Duplicates	6356
Gen Chem LCS/LCSD	6358
Gen Chem MDL	6361

Table of Contents

Gen Chem Linear Ranges	6379
Gen Chem Analysis Run Log	6380
Gen Chem Raw Data	6421
Gen Chem Prep Data	6730
Subcontracted Data	6762
Shipping and Receiving Documents	6763
Client Chain of Custody	6764
Sample Receipt Checklist	6776

Job Narrative
480-182886-1

Comments

No additional comments.

Receipt

The samples were received on 4/6/2021 4:45 PM, 4/7/2021 5:50 PM, 4/8/2021 3:45 PM and 4/9/2021 7:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 2.5° C, 2.8° C, 3.2° C, 3.3° C, 3.4° C, 4.1° C and 5.6° C.

Receipt Exceptions

No volume recieved for sample point MW-11. Methods have been canceled: MW-11 (480-182887-3)

GC/MS VOA

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: MW-13S (480-182978-2), DPE-1 (480-182978-5), DPE-3 (480-182978-7), GWCT (480-182978-13) and Rinse Blank (480-182978-14).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-8R (480-182978-1), DPE-3 (480-182978-7) and DPE-4 (480-182978-8). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: DPE-1 (480-182978-5) and DPE-5 (480-182978-9). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-575807 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-13D (480-182978-3), DPE-6 (480-182978-10), GWCT (480-182978-13), Rinse Blank (480-182978-14), MW-14D (480-182978-16) and Trip Blank (480-182978-17).

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-575807 was outside the method criteria for the following analyte(s): Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The following samples were affected : MW-8R (480-182978-1), MW-13S (480-182978-2), MW-16D (480-182978-4), DPE-1 (480-182978-5), DPE-2 (480-182978-6), DPE-3 (480-182978-7), DPE-4 (480-182978-8), DPE-5 (480-182978-9), DPE-7 (480-182978-11) and MW-14S (480-182978-15).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-575880 recovered above the upper control limit for Chloromethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: DPE-7 (480-182978-11) and DPE-8 (480-182978-12).

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-575880 was outside the method criteria, biased high for the following analyte(s): Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated samples are impacted: DPE-7 (480-182978-11) and DPE-8 (480-182978-12).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DPE-7 (480-182978-11), DPE-8 (480-182978-12), (480-182978-B-12 MS) and (480-182978-B-12 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-4 (480-183063-1), MW-15S (480-183063-2) and MW-15D (480-183063-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-16S (480-183060-1). Elevated reporting limits (RLs) are provided.

Method 8260C: Due to the coelution Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 575941. The following samples were affected : MW-16S (480-183060-1) and Trip Blank (480-183060-2).

Method 8260C: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 480-575941 recovered outside control limits for the following analyte: Chloroethane. Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The following samples were affected : MW-16S (480-183060-1) and Trip Blank (480-183060-2).

Method 8260C: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 480-575941 recovered outside control limits for the following analytes: 1,1,1-Trichloroethane, 1,1-Dichloroethene, Benzene, Carbon tetrachloride and Vinyl chloride. The following samples were affected : MW-16S (480-183060-1) and Trip Blank (480-183060-2).

Method 8260C: Surrogate recovery for 4-Bromofluorobenzene (Surr) in the continuing calibration verification (CCVIS) was outside the 20%D. The following sample is impacted: MW-11 (480-182886-1).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-576581 recovered above the upper control limit for Tetrachloroethene and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: MW-11 (480-182886-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC

Method 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-11 (480-182886-1). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-8R (480-182976-1), MW-13S (480-182976-2) and MW-16D (480-182976-3). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-11 (480-182886-1), MW-16S (480-183060-1) and MW-4 (480-183062-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA

Method RSK-175: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-11 (480-182886-1). Elevated reporting limits (RLs) are provided.

Method RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-8R (480-182976-1), MW-13S (480-182976-2) and MW-16D (480-182976-3). Elevated reporting limits (RLs) are provided.

Method RSK-175: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: MW-16D (480-182976-3).

Method RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-16S (480-183060-1) and MW-4 (480-183062-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The low level continuing calibration verification (CCVL 480-576122/39) recovered above the upper control limit for Total Manganese. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples MW-8R (480-182976-1) and MW-13S (480-182976-2) was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Method SM 3500 FE D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: MW-11 (480-182886-1), MW-8R (480-182976-1), MW-13S (480-182976-2), MW-16D (480-182976-3), MW-16S (480-183060-1) and MW-4 (480-183062-1).

Method 9060A: The reference method requires samples to be preserved to a pH below two. The following sample was received with insufficient preservation at a pH above two: DPE-1 (480-182978-5). The sample(s) was preserved to the appropriate pH in the laboratory prior to analysis.

Method 9060A: The reference method requires samples to be preserved to a pH below two. The following sample was received with insufficient preservation at a pH above two: MW-4 (480-183062-1). The sample(s) was preserved to the appropriate pH in the laboratory prior to analysis. Significant volume of concentrated hydrochloric acid was required for preservation; sample result should be considered biased low.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-182886-1	MW-11	Water	04/06/21 13:55	04/06/21 16:45	
480-182887-1	MW-2	Ground Water	04/06/21 13:04	04/06/21 16:45	
480-182887-2	MW-9	Ground Water	04/06/21 15:50	04/06/21 16:45	
480-182887-4	Duplicate	Water	04/06/21 15:00	04/06/21 16:45	
480-182887-5	MW-3	Ground Water	04/06/21 13:13	04/06/21 16:45	
480-182887-6	Trip Blank	Water	04/06/21 07:00	04/06/21 16:45	
480-182976-1	MW-8R	Ground Water	04/07/21 15:02	04/07/21 17:50	
480-182976-2	MW-13S	Ground Water	04/07/21 11:42	04/07/21 17:50	
480-182976-3	MW-16D	Ground Water	04/07/21 10:26	04/07/21 17:50	
480-182978-1	MW-8R	Water	04/07/21 15:02	04/07/21 17:50	
480-182978-2	MW-13S	Water	04/07/21 11:42	04/07/21 17:50	
480-182978-3	MW-13D	Water	04/07/21 01:10	04/07/21 17:50	
480-182978-4	MW-16D	Water	04/07/21 10:26	04/07/21 17:50	
480-182978-5	DPE-1	Water	04/07/21 10:00	04/07/21 17:50	
480-182978-6	DPE-2	Water	04/07/21 10:30	04/07/21 17:50	
480-182978-7	DPE-3	Water	04/07/21 10:45	04/07/21 17:50	
480-182978-8	DPE-4	Water	04/07/21 11:00	04/07/21 17:50	
480-182978-9	DPE-5	Water	04/07/21 10:15	04/07/21 17:50	
480-182978-10	DPE-6	Water	04/07/21 11:15	04/07/21 17:50	
480-182978-11	DPE-7	Water	04/07/21 11:30	04/07/21 17:50	
480-182978-12	DPE-8	Water	04/07/21 12:00	04/07/21 17:50	
480-182978-13	GWCT	Water	04/07/21 08:15	04/07/21 17:50	
480-182978-14	Rinse Blank	Water	04/07/21 08:45	04/07/21 17:50	
480-182978-15	MW-14S	Water	04/07/21 14:30	04/07/21 17:50	
480-182978-16	MW-14D	Water	04/07/21 15:12	04/07/21 17:50	
480-182978-17	Trip Blank	Water	04/07/21 07:00	04/07/21 17:50	
480-183060-1	MW-16S	Ground Water	04/09/21 06:30	04/09/21 07:15	
480-183060-2	Trip Blank	Water	04/09/21 06:30	04/09/21 07:15	
480-183062-1	MW-4	Ground Water	04/08/21 09:40	04/08/21 15:45	
480-183063-1	MW-4	Water	04/08/21 09:46	04/08/21 15:45	
480-183063-2	MW-15S	Water	04/08/21 11:36	04/08/21 15:45	
480-183063-3	MW-15D	Water	04/08/21 13:20	04/08/21 15:45	
480-183063-4	Trip Blank	Water	04/08/21 00:00	04/08/21 15:45	

Detection Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-11

Lab Sample ID: 480-182886-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	0.66	J	1.0	0.38	ug/L	1			8260C	Total/NA
cis-1,2-Dichloroethene	1.8		1.0	0.81	ug/L	1			8260C	Total/NA
Vinyl chloride	2.1		1.0	0.90	ug/L	1			8260C	Total/NA
Carbon dioxide	140000		5000	4000	ug/L	1			RSK-175	Total/NA
Methane	2100		88	22	ug/L	22			RSK-175	Total/NA
Iron	2.3		0.050	0.019	mg/L	1			200.7 Rev 4.4	Total/NA
Iron	0.098		0.050	0.019	mg/L	1			200.7 Rev 4.4	Dissolved
Manganese	1.8	B	0.0030	0.00040	mg/L	1			6010C	Total/NA
Manganese	1.8	B	0.0030	0.00040	mg/L	1			6010C	Dissolved
Chloride	1310		10.0	5.6	mg/L	20			300.0	Total/NA
Sulfate	18.7	J	20.0	3.5	mg/L	10			300.0	Total/NA
Alkalinity, Total	428		50.0	20.0	mg/L	5			310.2	Total/NA
Ammonia	0.11	F1	0.020	0.0090	mg/L	1			350.1	Total/NA
Total Organic Carbon	4.5		1.0	0.43	mg/L	1			9060A	Total/NA
Ferric Iron	2.0		0.10	0.075	mg/L	1			SM 3500	Total/NA
Ferrous Iron	0.33	HF	0.10	0.075	mg/L	1			SM 3500 FE D	Total/NA

Client Sample ID: MW-2

Lab Sample ID: 480-182887-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Total Organic Carbon	13.6		1.0	0.43	mg/L	1			9060A	Total/NA

Client Sample ID: MW-9

Lab Sample ID: 480-182887-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	15		1.0	0.38	ug/L	1			8260C	Total/NA
cis-1,2-Dichloroethene	8.7		1.0	0.81	ug/L	1			8260C	Total/NA
Total Organic Carbon	6.5		1.0	0.43	mg/L	1			9060A	Total/NA

Client Sample ID: Duplicate

Lab Sample ID: 480-182887-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	0.68	J	1.0	0.38	ug/L	1			8260C	Total/NA
cis-1,2-Dichloroethene	1.6		1.0	0.81	ug/L	1			8260C	Total/NA
Vinyl chloride	1.9		1.0	0.90	ug/L	1			8260C	Total/NA

Client Sample ID: MW-3

Lab Sample ID: 480-182887-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	9.8		1.0	0.38	ug/L	1			8260C	Total/NA
Chloroethane	0.70	J	1.0	0.32	ug/L	1			8260C	Total/NA
cis-1,2-Dichloroethene	1.9		1.0	0.81	ug/L	1			8260C	Total/NA
Vinyl chloride	14		1.0	0.90	ug/L	1			8260C	Total/NA
Total Organic Carbon	4.1		1.0	0.43	mg/L	1			9060A	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-182887-6

No Detections.

Client Sample ID: MW-8R

Lab Sample ID: 480-182976-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Carbon dioxide	22000		5000	4000	ug/L	1			RSK-175	Total/NA
Ethene	460	J	1500	330	ug/L	220			RSK-175	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-8R (Continued)

Lab Sample ID: 480-182976-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	21000		880	220	ug/L	220		RSK-175	Total/NA
Iron	21.4		0.050	0.019	mg/L	1		200.7 Rev 4.4	Total/NA
Iron	0.52		0.050	0.019	mg/L	1		200.7 Rev 4.4	Dissolved
Manganese	0.21	^+ B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.11	B	0.0030	0.00040	mg/L	1		6010C	Dissolved
Chloride	207		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	8.5	J	20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Total	281		50.0	20.0	mg/L	5		310.2	Total/NA
Ammonia	0.062		0.020	0.0090	mg/L	1		350.1	Total/NA
Total Organic Carbon	16.8		1.0	0.43	mg/L	1		9060A	Total/NA
Ferric Iron	21.1		0.10	0.075	mg/L	1		SM 3500	Total/NA
Ferrous Iron	0.33	HF	0.20	0.15	mg/L	2		SM 3500 FE D	Total/NA

Client Sample ID: MW-13S

Lab Sample ID: 480-182976-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon dioxide	120000		5000	4000	ug/L	1		RSK-175	Total/NA
Ethane	710	J	830	170	ug/L	110		RSK-175	Total/NA
Methane	20000		440	110	ug/L	110		RSK-175	Total/NA
Iron	11.0		0.050	0.019	mg/L	1		200.7 Rev 4.4	Total/NA
Iron	0.14		0.050	0.019	mg/L	1		200.7 Rev 4.4	Dissolved
Manganese	0.17	^+ B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.17	B	0.0030	0.00040	mg/L	1		6010C	Dissolved
Chloride	163		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	7.5	J	10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Total	539		60.0	24.0	mg/L	6		310.2	Total/NA
Ammonia	0.52		0.020	0.0090	mg/L	1		350.1	Total/NA
Total Organic Carbon	6.8		1.0	0.43	mg/L	1		9060A	Total/NA
Ferric Iron	10.9		0.10	0.075	mg/L	1		SM 3500	Total/NA
Ferrous Iron	0.088	J HF	0.10	0.075	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: MW-16D

Lab Sample ID: 480-182976-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon dioxide	16000		5000	4000	ug/L	1		RSK-175	Total/NA
Ethane	330	J	830	170	ug/L	110		RSK-175	Total/NA
Ethene	320	J	770	170	ug/L	110		RSK-175	Total/NA
Methane	17000		440	110	ug/L	110		RSK-175	Total/NA
Iron	3.2		0.050	0.019	mg/L	1		200.7 Rev 4.4	Total/NA
Iron	0.076		0.050	0.019	mg/L	1		200.7 Rev 4.4	Dissolved
Manganese	0.010	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.0098	B	0.0030	0.00040	mg/L	1		6010C	Dissolved
Chloride	204		5.0	2.8	mg/L	10		300.0	Total/NA
Alkalinity, Total	314		50.0	20.0	mg/L	5		310.2	Total/NA
Ammonia	1.7		0.020	0.0090	mg/L	1		350.1	Total/NA
Total Organic Carbon	2.8		1.0	0.43	mg/L	1		9060A	Total/NA
Ferric Iron	3.2		0.10	0.075	mg/L	1		SM 3500	Total/NA

Client Sample ID: MW-8R

Lab Sample ID: 480-182978-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.1	J	10	3.8	ug/L	10		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-8R (Continued)

Lab Sample ID: 480-182978-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroethane	20		10	3.2	ug/L	10			8260C	Total/NA
cis-1,2-Dichloroethene	300		10	8.1	ug/L	10			8260C	Total/NA
Toluene	8.7	J	10	5.1	ug/L	10			8260C	Total/NA
Vinyl chloride	400		10	9.0	ug/L	10			8260C	Total/NA
Total Organic Carbon	18.7		1.0	0.43	mg/L	1			9060A	Total/NA

Client Sample ID: MW-13S

Lab Sample ID: 480-182978-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	0.40	J	1.0	0.38	ug/L	1			8260C	Total/NA
Chloroethane	3.3		1.0	0.32	ug/L	1			8260C	Total/NA
cis-1,2-Dichloroethene	1.8		1.0	0.81	ug/L	1			8260C	Total/NA
Trichloroethene	0.77	J	1.0	0.46	ug/L	1			8260C	Total/NA
Vinyl chloride	7.1		1.0	0.90	ug/L	1			8260C	Total/NA
Total Organic Carbon	6.4		1.0	0.43	mg/L	1			9060A	Total/NA

Client Sample ID: MW-13D

Lab Sample ID: 480-182978-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroethane	2.6		1.0	0.32	ug/L	1			8260C	Total/NA
Total Organic Carbon	5.8		1.0	0.43	mg/L	1			9060A	Total/NA

Client Sample ID: MW-16D

Lab Sample ID: 480-182978-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	0.84	J	1.0	0.38	ug/L	1			8260C	Total/NA
Acetone	3.4	J	10	3.0	ug/L	1			8260C	Total/NA
Chloroethane	50		1.0	0.32	ug/L	1			8260C	Total/NA
cis-1,2-Dichloroethene	2.5		1.0	0.81	ug/L	1			8260C	Total/NA
Vinyl chloride	2.7		1.0	0.90	ug/L	1			8260C	Total/NA
Total Organic Carbon	2.7		1.0	0.43	mg/L	1			9060A	Total/NA

Client Sample ID: DPE-1

Lab Sample ID: 480-182978-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	44		4.0	1.5	ug/L	4			8260C	Total/NA
2-Butanone (MEK)	93		40	5.3	ug/L	4			8260C	Total/NA
Acetone	290		40	12	ug/L	4			8260C	Total/NA
Chloroethane	5.9		4.0	1.3	ug/L	4			8260C	Total/NA
cis-1,2-Dichloroethene	53		4.0	3.2	ug/L	4			8260C	Total/NA
Toluene	8.8		4.0	2.0	ug/L	4			8260C	Total/NA
Trichloroethene	8.7		4.0	1.8	ug/L	4			8260C	Total/NA
Vinyl chloride	15		4.0	3.6	ug/L	4			8260C	Total/NA
Total Organic Carbon	181		4.0	1.7	mg/L	4			9060A	Total/NA

Client Sample ID: DPE-2

Lab Sample ID: 480-182978-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroethane	2.9		1.0	0.32	ug/L	1			8260C	Total/NA
Cyclohexane	0.18	J	1.0	0.18	ug/L	1			8260C	Total/NA
Vinyl chloride	1.1		1.0	0.90	ug/L	1			8260C	Total/NA
Total Organic Carbon	9.5		1.0	0.43	mg/L	1			9060A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-3

Lab Sample ID: 480-182978-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	15	J	20	7.6	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	940		20	16	ug/L	20		8260C	Total/NA
Trichloroethene	160		20	9.2	ug/L	20		8260C	Total/NA
Vinyl chloride	300		20	18	ug/L	20		8260C	Total/NA
Total Organic Carbon	14.7		1.0	0.43	mg/L	1		9060A	Total/NA

Client Sample ID: DPE-4

Lab Sample ID: 480-182978-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1100		50	41	ug/L	50		8260C	Total/NA
Trichloroethene	74		50	23	ug/L	50		8260C	Total/NA
Vinyl chloride	1400		50	45	ug/L	50		8260C	Total/NA
Total Organic Carbon	14.6		1.0	0.43	mg/L	1		9060A	Total/NA

Client Sample ID: DPE-5

Lab Sample ID: 480-182978-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.6	J	4.0	1.5	ug/L	4		8260C	Total/NA
Acetone	40		40	12	ug/L	4		8260C	Total/NA
Carbon disulfide	2.7	J	4.0	0.76	ug/L	4		8260C	Total/NA
Chloroethane	19		4.0	1.3	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	27		4.0	3.2	ug/L	4		8260C	Total/NA
Vinyl chloride	33		4.0	3.6	ug/L	4		8260C	Total/NA
Total Organic Carbon	64.9		1.0	0.43	mg/L	1		9060A	Total/NA

Client Sample ID: DPE-6

Lab Sample ID: 480-182978-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.43	J	1.0	0.38	ug/L	1		8260C	Total/NA
Total Organic Carbon	6.1		1.0	0.43	mg/L	1		9060A	Total/NA

Client Sample ID: DPE-7

Lab Sample ID: 480-182978-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	78		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	3.5		1.0	0.29	ug/L	1		8260C	Total/NA
Benzene	0.53	J	1.0	0.41	ug/L	1		8260C	Total/NA
Chloroethane	350	E	1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	110	E	1.0	0.81	ug/L	1		8260C	Total/NA
Toluene	8.4		1.0	0.51	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.2		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	21		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1300	E	1.0	0.90	ug/L	1		8260C	Total/NA
1,1-Dichloroethane - DL	86		20	7.6	ug/L	20		8260C	Total/NA
Chloroethane - DL	380		20	6.4	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene - DL	130		20	16	ug/L	20		8260C	Total/NA
Toluene - DL	11	J	20	10	ug/L	20		8260C	Total/NA
Trichloroethene - DL	26		20	9.2	ug/L	20		8260C	Total/NA
Vinyl chloride - DL	1400		20	18	ug/L	20		8260C	Total/NA
Total Organic Carbon	11.0		1.0	0.43	mg/L	1		9060A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-8

Lab Sample ID: 480-182978-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	130		100	82	ug/L	100		8260C	Total/NA
1,1-Dichloroethane	73	J	100	38	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene	4800	F1	100	81	ug/L	100		8260C	Total/NA
Trichloroethene	350		100	46	ug/L	100		8260C	Total/NA
Vinyl chloride	720		100	90	ug/L	100		8260C	Total/NA
Total Organic Carbon	16.3		1.0	0.43	mg/L	1		9060A	Total/NA

Client Sample ID: GWCT

Lab Sample ID: 480-182978-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	29		1.0	0.32	ug/L	1		8260C	Total/NA
Total Organic Carbon	2.8		1.0	0.43	mg/L	1		9060A	Total/NA

Client Sample ID: Rinse Blank

Lab Sample ID: 480-182978-14

No Detections.

Client Sample ID: MW-14S

Lab Sample ID: 480-182978-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	13		1.0	0.38	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.46	J	1.0	0.21	ug/L	1		8260C	Total/NA
Benzene	0.56	J	1.0	0.41	ug/L	1		8260C	Total/NA
Chloroethane	1.9		1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	10		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	6.0		1.0	0.90	ug/L	1		8260C	Total/NA
Total Organic Carbon	5.8		1.0	0.43	mg/L	1		9060A	Total/NA

Client Sample ID: MW-14D

Lab Sample ID: 480-182978-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	9.9		1.0	0.43	mg/L	1		9060A	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-182978-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.55	J	1.0	0.35	ug/L	1		8260C	Total/NA

Client Sample ID: MW-16S

Lab Sample ID: 480-183060-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	440	J	1000	380	ug/L	1000		8260C	Total/NA
Chloroethane	1300	*-	1000	320	ug/L	1000		8260C	Total/NA
cis-1,2-Dichloroethene	57000		1000	810	ug/L	1000		8260C	Total/NA
Toluene	640	J	1000	510	ug/L	1000		8260C	Total/NA
Vinyl chloride	71000	*1	1000	900	ug/L	1000		8260C	Total/NA
Carbon dioxide	89000		5000	4000	ug/L	1		RSK-175	Total/NA
Ethane	710	J	830	170	ug/L	110		RSK-175	Total/NA
Ethene	33000		770	170	ug/L	110		RSK-175	Total/NA
Methane	13000		440	110	ug/L	110		RSK-175	Total/NA
Iron	47.7		0.050	0.019	mg/L	1		200.7 Rev 4.4	Total/NA
Iron	3.6		0.050	0.019	mg/L	1		200.7 Rev 4.4	Dissolved
Manganese	0.17		0.0030	0.00040	mg/L	1		6010C	Total/NA
Manganese	0.17	B	0.0030	0.00040	mg/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-16S (Continued)

Lab Sample ID: 480-183060-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloride	866		5.0	2.8	mg/L	10			300.0	Total/NA
Sulfate	17.9	J	20.0	3.5	mg/L	10			300.0	Total/NA
Alkalinity, Total	472		50.0	20.0	mg/L	5			310.2	Total/NA
Ammonia	0.11		0.020	0.0090	mg/L	1			350.1	Total/NA
Total Organic Carbon	204		4.0	1.7	mg/L	4			9060A	Total/NA
Ferric Iron	45.0		0.10	0.075	mg/L	1			SM 3500	Total/NA
Ferrous Iron	2.7	HF	0.10	0.075	mg/L	1			SM 3500 FE D	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-183060-2

No Detections.

Client Sample ID: MW-4

Lab Sample ID: 480-183062-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Carbon dioxide	43000		5000	4000	ug/L	1			RSK-175	Total/NA
Ethane	500	J	660	130	ug/L	88			RSK-175	Total/NA
Ethene	810		620	130	ug/L	88			RSK-175	Total/NA
Methane	19000		350	88	ug/L	88			RSK-175	Total/NA
Iron	16.3		0.050	0.019	mg/L	1			200.7 Rev 4.4	Total/NA
Iron	1.7		0.050	0.019	mg/L	1			200.7 Rev 4.4	Dissolved
Manganese	0.064		0.0030	0.00040	mg/L	1			6010C	Total/NA
Manganese	0.042	B	0.0030	0.00040	mg/L	1			6010C	Dissolved
Chloride	494		5.0	2.8	mg/L	10			300.0	Total/NA
Sulfate	7.5	J	20.0	3.5	mg/L	10			300.0	Total/NA
Alkalinity, Total	828		150	60.0	mg/L	15			310.2	Total/NA
Ammonia	0.38		0.020	0.0090	mg/L	1			350.1	Total/NA
Total Organic Carbon	15.3		1.0	0.43	mg/L	1			9060A	Total/NA
Ferric Iron	16.2		0.10	0.075	mg/L	1			SM 3500	Total/NA
Ferrous Iron	0.12	HF	0.10	0.075	mg/L	1			SM 3500 FE D	Total/NA
Sulfide	1.6		1.0	0.67	mg/L	1			SM 4500 S2 F	Total/NA

Client Sample ID: MW-4

Lab Sample ID: 480-183063-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroethane	92		4.0	1.3	ug/L	4			8260C	Total/NA
cis-1,2-Dichloroethene	5.0		4.0	3.2	ug/L	4			8260C	Total/NA
Toluene	3.3	J	4.0	2.0	ug/L	4			8260C	Total/NA
Vinyl chloride	3.7	J	4.0	3.6	ug/L	4			8260C	Total/NA
Total Organic Carbon	21.2		1.0	0.43	mg/L	1			9060A	Total/NA

Client Sample ID: MW-15S

Lab Sample ID: 480-183063-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	330		20	7.6	ug/L	20			8260C	Total/NA
1,1-Dichloroethene	6.6	J	20	5.8	ug/L	20			8260C	Total/NA
Chloroethane	190		20	6.4	ug/L	20			8260C	Total/NA
cis-1,2-Dichloroethene	500		20	16	ug/L	20			8260C	Total/NA
Toluene	170		20	10	ug/L	20			8260C	Total/NA
Trichloroethene	58		20	9.2	ug/L	20			8260C	Total/NA
Vinyl chloride	100		20	18	ug/L	20			8260C	Total/NA
Xylenes, Total	45		40	13	ug/L	20			8260C	Total/NA
Total Organic Carbon	218		5.0	2.2	mg/L	5			9060A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-15D

Lab Sample ID: 480-183063-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroethane	110		2.0	0.64	ug/L	2			8260C	Total/NA
Total Organic Carbon	1.9		1.0	0.43	mg/L	1			9060A	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-183063-4

No Detections.

Method Summary

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
RSK-175	Dissolved Gases (GC)	RSK	TAL BUF
RSK-175	Dissolved Gases (GC)	RSK	TAL BUR
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
310.2	Alkalinity	MCAWW	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
9060A	Organic Carbon, Total (TOC)	SW846	TAL BUF
SM 3500	Iron, Ferric	SM	TAL BUF
SM 3500 FE D	Iron, Ferrous and Ferric	SM	TAL BUF
SM 4500 S2 F	Sulfide, Total	SM	TAL BUF
200.7	Preparation, Total Metals	EPA	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
FILTRATION	Sample Filtration	None	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-11

Lab Sample ID: 480-182886-1

Date Collected: 04/06/21 13:55

Matrix: Water

Date Received: 04/06/21 16:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/16/21 13:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/16/21 13:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/16/21 13:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/16/21 13:49	1
1,1-Dichloroethane	0.66	J	1.0	0.38	ug/L			04/16/21 13:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/16/21 13:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/16/21 13:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/16/21 13:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/16/21 13:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/16/21 13:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/16/21 13:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/16/21 13:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/16/21 13:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/16/21 13:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/16/21 13:49	1
2-Hexanone	ND		5.0	1.2	ug/L			04/16/21 13:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/16/21 13:49	1
Acetone	ND		10	3.0	ug/L			04/16/21 13:49	1
Benzene	ND		1.0	0.41	ug/L			04/16/21 13:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/16/21 13:49	1
Bromoform	ND		1.0	0.26	ug/L			04/16/21 13:49	1
Bromomethane	ND		1.0	0.69	ug/L			04/16/21 13:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/16/21 13:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/16/21 13:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/16/21 13:49	1
Chloroethane	ND		1.0	0.32	ug/L			04/16/21 13:49	1
Chloroform	ND		1.0	0.34	ug/L			04/16/21 13:49	1
Chloromethane	ND		1.0	0.35	ug/L			04/16/21 13:49	1
cis-1,2-Dichloroethene	1.8		1.0	0.81	ug/L			04/16/21 13:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/16/21 13:49	1
Cyclohexane	ND		1.0	0.18	ug/L			04/16/21 13:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/16/21 13:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/16/21 13:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/16/21 13:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/16/21 13:49	1
Methyl acetate	ND		2.5	1.3	ug/L			04/16/21 13:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/16/21 13:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/16/21 13:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/16/21 13:49	1
Styrene	ND		1.0	0.73	ug/L			04/16/21 13:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/16/21 13:49	1
Toluene	ND		1.0	0.51	ug/L			04/16/21 13:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/16/21 13:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/16/21 13:49	1
Trichloroethene	ND		1.0	0.46	ug/L			04/16/21 13:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/16/21 13:49	1
Vinyl chloride	2.1		1.0	0.90	ug/L			04/16/21 13:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/16/21 13:49	1

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-11

Lab Sample ID: 480-182886-1

Date Collected: 04/06/21 13:55

Matrix: Water

Date Received: 04/06/21 16:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		04/16/21 13:49	1
4-Bromofluorobenzene (Surr)	111		73 - 120		04/16/21 13:49	1
Toluene-d8 (Surr)	99		80 - 120		04/16/21 13:49	1
Dibromofluoromethane (Surr)	108		75 - 123		04/16/21 13:49	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	140000		5000	4000	ug/L			04/08/21 16:48	1
Ethane	ND		170	33	ug/L			04/07/21 15:57	22
Ethene	ND		150	33	ug/L			04/07/21 15:57	22
Methane	2100		88	22	ug/L			04/07/21 15:57	22

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2.3		0.050	0.019	mg/L		04/08/21 07:55	04/08/21 18:13	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.098		0.050	0.019	mg/L		04/16/21 09:59	04/16/21 21:29	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	1.8	B	0.0030	0.00040	mg/L		04/08/21 07:55	04/09/21 00:20	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	1.8	B	0.0030	0.00040	mg/L		04/16/21 09:59	04/16/21 22:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		10.0	5.6	mg/L			04/13/21 16:49	20
Sulfate	18.7	J	20.0	3.5	mg/L			04/08/21 14:03	10
Alkalinity, Total	428		50.0	20.0	mg/L			04/09/21 00:38	5
Ammonia	0.11	F1	0.020	0.0090	mg/L			04/12/21 10:47	1
Nitrate as N	ND		0.050	0.020	mg/L			04/07/21 14:40	1
Nitrite as N	ND		0.050	0.020	mg/L			04/07/21 14:40	1
Total Organic Carbon	4.5		1.0	0.43	mg/L			04/11/21 03:36	1
Ferric Iron	2.0		0.10	0.075	mg/L			04/14/21 14:33	1
Ferrous Iron	0.33	HF	0.10	0.075	mg/L			04/10/21 12:50	1
Sulfide	ND		1.0	0.67	mg/L			04/12/21 14:25	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-2
Date Collected: 04/06/21 13:04
Date Received: 04/06/21 16:45

Lab Sample ID: 480-182887-1
Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/08/21 00:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/08/21 00:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/08/21 00:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/08/21 00:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/08/21 00:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/08/21 00:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/08/21 00:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/08/21 00:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/08/21 00:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/08/21 00:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/08/21 00:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/08/21 00:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/08/21 00:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/08/21 00:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/08/21 00:59	1
2-Hexanone	ND		5.0	1.2	ug/L			04/08/21 00:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/08/21 00:59	1
Acetone	ND		10	3.0	ug/L			04/08/21 00:59	1
Benzene	ND		1.0	0.41	ug/L			04/08/21 00:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/08/21 00:59	1
Bromoform	ND		1.0	0.26	ug/L			04/08/21 00:59	1
Bromomethane	ND		1.0	0.69	ug/L			04/08/21 00:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/08/21 00:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/08/21 00:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/08/21 00:59	1
Chloroethane	ND		1.0	0.32	ug/L			04/08/21 00:59	1
Chloroform	ND		1.0	0.34	ug/L			04/08/21 00:59	1
Chloromethane	ND		1.0	0.35	ug/L			04/08/21 00:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/08/21 00:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/08/21 00:59	1
Cyclohexane	ND		1.0	0.18	ug/L			04/08/21 00:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/08/21 00:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/08/21 00:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/08/21 00:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/08/21 00:59	1
Methyl acetate	ND		2.5	1.3	ug/L			04/08/21 00:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/08/21 00:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/08/21 00:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/08/21 00:59	1
Styrene	ND		1.0	0.73	ug/L			04/08/21 00:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/08/21 00:59	1
Toluene	ND		1.0	0.51	ug/L			04/08/21 00:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/08/21 00:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/08/21 00:59	1
Trichloroethene	ND		1.0	0.46	ug/L			04/08/21 00:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/08/21 00:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/08/21 00:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/08/21 00:59	1

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-2

Lab Sample ID: 480-182887-1

Date Collected: 04/06/21 13:04

Matrix: Ground Water

Date Received: 04/06/21 16:45

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		04/08/21 00:59	1
4-Bromofluorobenzene (Surr)	110		73 - 120		04/08/21 00:59	1
Toluene-d8 (Surr)	107		80 - 120		04/08/21 00:59	1
Dibromofluoromethane (Surr)	101		75 - 123		04/08/21 00:59	1

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	13.6		1.0	0.43	mg/L	—		04/09/21 11:44	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-9

Date Collected: 04/06/21 15:50

Date Received: 04/06/21 16:45

Lab Sample ID: 480-182887-2

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/08/21 01:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/08/21 01:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/08/21 01:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/08/21 01:23	1
1,1-Dichloroethane	15		1.0	0.38	ug/L			04/08/21 01:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/08/21 01:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/08/21 01:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/08/21 01:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/08/21 01:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/08/21 01:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/08/21 01:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/08/21 01:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/08/21 01:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/08/21 01:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/08/21 01:23	1
2-Hexanone	ND		5.0	1.2	ug/L			04/08/21 01:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/08/21 01:23	1
Acetone	ND		10	3.0	ug/L			04/08/21 01:23	1
Benzene	ND		1.0	0.41	ug/L			04/08/21 01:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/08/21 01:23	1
Bromoform	ND		1.0	0.26	ug/L			04/08/21 01:23	1
Bromomethane	ND		1.0	0.69	ug/L			04/08/21 01:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/08/21 01:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/08/21 01:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/08/21 01:23	1
Chloroethane	ND		1.0	0.32	ug/L			04/08/21 01:23	1
Chloroform	ND		1.0	0.34	ug/L			04/08/21 01:23	1
Chloromethane	ND		1.0	0.35	ug/L			04/08/21 01:23	1
cis-1,2-Dichloroethene	8.7		1.0	0.81	ug/L			04/08/21 01:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/08/21 01:23	1
Cyclohexane	ND		1.0	0.18	ug/L			04/08/21 01:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/08/21 01:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/08/21 01:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/08/21 01:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/08/21 01:23	1
Methyl acetate	ND		2.5	1.3	ug/L			04/08/21 01:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/08/21 01:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/08/21 01:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/08/21 01:23	1
Styrene	ND		1.0	0.73	ug/L			04/08/21 01:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/08/21 01:23	1
Toluene	ND		1.0	0.51	ug/L			04/08/21 01:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/08/21 01:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/08/21 01:23	1
Trichloroethene	ND		1.0	0.46	ug/L			04/08/21 01:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/08/21 01:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/08/21 01:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/08/21 01:23	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-9

Date Collected: 04/06/21 15:50

Date Received: 04/06/21 16:45

Lab Sample ID: 480-182887-2

Matrix: Ground Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		04/08/21 01:23	1
4-Bromofluorobenzene (Surr)	109		73 - 120		04/08/21 01:23	1
Toluene-d8 (Surr)	109		80 - 120		04/08/21 01:23	1
Dibromofluoromethane (Surr)	105		75 - 123		04/08/21 01:23	1

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	6.5		1.0	0.43	mg/L			04/09/21 12:42	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: Duplicate

Lab Sample ID: 480-182887-4

Date Collected: 04/06/21 15:00

Matrix: Water

Date Received: 04/06/21 16:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/08/21 01:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/08/21 01:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/08/21 01:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/08/21 01:48	1
1,1-Dichloroethane	0.68	J	1.0	0.38	ug/L			04/08/21 01:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/08/21 01:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/08/21 01:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/08/21 01:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/08/21 01:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/08/21 01:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/08/21 01:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/08/21 01:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/08/21 01:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/08/21 01:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/08/21 01:48	1
2-Hexanone	ND		5.0	1.2	ug/L			04/08/21 01:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/08/21 01:48	1
Acetone	ND		10	3.0	ug/L			04/08/21 01:48	1
Benzene	ND		1.0	0.41	ug/L			04/08/21 01:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/08/21 01:48	1
Bromoform	ND		1.0	0.26	ug/L			04/08/21 01:48	1
Bromomethane	ND		1.0	0.69	ug/L			04/08/21 01:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/08/21 01:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/08/21 01:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/08/21 01:48	1
Chloroethane	ND		1.0	0.32	ug/L			04/08/21 01:48	1
Chloroform	ND		1.0	0.34	ug/L			04/08/21 01:48	1
Chloromethane	ND		1.0	0.35	ug/L			04/08/21 01:48	1
cis-1,2-Dichloroethene	1.6		1.0	0.81	ug/L			04/08/21 01:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/08/21 01:48	1
Cyclohexane	ND		1.0	0.18	ug/L			04/08/21 01:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/08/21 01:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/08/21 01:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/08/21 01:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/08/21 01:48	1
Methyl acetate	ND		2.5	1.3	ug/L			04/08/21 01:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/08/21 01:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/08/21 01:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/08/21 01:48	1
Styrene	ND		1.0	0.73	ug/L			04/08/21 01:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/08/21 01:48	1
Toluene	ND		1.0	0.51	ug/L			04/08/21 01:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/08/21 01:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/08/21 01:48	1
Trichloroethene	ND		1.0	0.46	ug/L			04/08/21 01:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/08/21 01:48	1
Vinyl chloride	1.9		1.0	0.90	ug/L			04/08/21 01:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/08/21 01:48	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: Duplicate

Date Collected: 04/06/21 15:00

Date Received: 04/06/21 16:45

Lab Sample ID: 480-182887-4

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		04/08/21 01:48	1
4-Bromofluorobenzene (Surr)	111		73 - 120		04/08/21 01:48	1
Toluene-d8 (Surr)	108		80 - 120		04/08/21 01:48	1
Dibromofluoromethane (Surr)	105		75 - 123		04/08/21 01:48	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-3
Date Collected: 04/06/21 13:13
Date Received: 04/06/21 16:45

Lab Sample ID: 480-182887-5
Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/08/21 02:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/08/21 02:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/08/21 02:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/08/21 02:12	1
1,1-Dichloroethane	9.8		1.0	0.38	ug/L			04/08/21 02:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/08/21 02:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/08/21 02:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/08/21 02:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/08/21 02:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/08/21 02:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/08/21 02:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/08/21 02:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/08/21 02:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/08/21 02:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/08/21 02:12	1
2-Hexanone	ND		5.0	1.2	ug/L			04/08/21 02:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/08/21 02:12	1
Acetone	ND		10	3.0	ug/L			04/08/21 02:12	1
Benzene	ND		1.0	0.41	ug/L			04/08/21 02:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/08/21 02:12	1
Bromoform	ND		1.0	0.26	ug/L			04/08/21 02:12	1
Bromomethane	ND		1.0	0.69	ug/L			04/08/21 02:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/08/21 02:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/08/21 02:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/08/21 02:12	1
Chloroethane	0.70 J		1.0	0.32	ug/L			04/08/21 02:12	1
Chloroform	ND		1.0	0.34	ug/L			04/08/21 02:12	1
Chloromethane	ND		1.0	0.35	ug/L			04/08/21 02:12	1
cis-1,2-Dichloroethene	1.9		1.0	0.81	ug/L			04/08/21 02:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/08/21 02:12	1
Cyclohexane	ND		1.0	0.18	ug/L			04/08/21 02:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/08/21 02:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/08/21 02:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/08/21 02:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/08/21 02:12	1
Methyl acetate	ND		2.5	1.3	ug/L			04/08/21 02:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/08/21 02:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/08/21 02:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/08/21 02:12	1
Styrene	ND		1.0	0.73	ug/L			04/08/21 02:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/08/21 02:12	1
Toluene	ND		1.0	0.51	ug/L			04/08/21 02:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/08/21 02:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/08/21 02:12	1
Trichloroethene	ND		1.0	0.46	ug/L			04/08/21 02:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/08/21 02:12	1
Vinyl chloride	14		1.0	0.90	ug/L			04/08/21 02:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/08/21 02:12	1

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-3

Lab Sample ID: 480-182887-5

Date Collected: 04/06/21 13:13

Matrix: Ground Water

Date Received: 04/06/21 16:45

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		04/08/21 02:12	1
4-Bromofluorobenzene (Surr)	113		73 - 120		04/08/21 02:12	1
Toluene-d8 (Surr)	110		80 - 120		04/08/21 02:12	1
Dibromofluoromethane (Surr)	100		75 - 123		04/08/21 02:12	1

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	4.1		1.0	0.43	mg/L	—		04/09/21 13:40	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-182887-6

Date Collected: 04/06/21 07:00

Matrix: Water

Date Received: 04/06/21 16:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/08/21 02:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/08/21 02:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/08/21 02:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/08/21 02:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/08/21 02:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/08/21 02:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/08/21 02:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/08/21 02:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/08/21 02:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/08/21 02:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/08/21 02:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/08/21 02:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/08/21 02:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/08/21 02:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/08/21 02:36	1
2-Hexanone	ND		5.0	1.2	ug/L			04/08/21 02:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/08/21 02:36	1
Acetone	ND		10	3.0	ug/L			04/08/21 02:36	1
Benzene	ND		1.0	0.41	ug/L			04/08/21 02:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/08/21 02:36	1
Bromoform	ND		1.0	0.26	ug/L			04/08/21 02:36	1
Bromomethane	ND		1.0	0.69	ug/L			04/08/21 02:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/08/21 02:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/08/21 02:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/08/21 02:36	1
Chloroethane	ND		1.0	0.32	ug/L			04/08/21 02:36	1
Chloroform	ND		1.0	0.34	ug/L			04/08/21 02:36	1
Chloromethane	ND		1.0	0.35	ug/L			04/08/21 02:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/08/21 02:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/08/21 02:36	1
Cyclohexane	ND		1.0	0.18	ug/L			04/08/21 02:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/08/21 02:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/08/21 02:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/08/21 02:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/08/21 02:36	1
Methyl acetate	ND		2.5	1.3	ug/L			04/08/21 02:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/08/21 02:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/08/21 02:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/08/21 02:36	1
Styrene	ND		1.0	0.73	ug/L			04/08/21 02:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/08/21 02:36	1
Toluene	ND		1.0	0.51	ug/L			04/08/21 02:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/08/21 02:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/08/21 02:36	1
Trichloroethene	ND		1.0	0.46	ug/L			04/08/21 02:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/08/21 02:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/08/21 02:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/08/21 02:36	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-182887-6

Date Collected: 04/06/21 07:00

Matrix: Water

Date Received: 04/06/21 16:45

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		04/08/21 02:36	1
4-Bromofluorobenzene (Surr)	113		73 - 120		04/08/21 02:36	1
Toluene-d8 (Surr)	111		80 - 120		04/08/21 02:36	1
Dibromofluoromethane (Surr)	103		75 - 123		04/08/21 02:36	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-8R

Date Collected: 04/07/21 15:02

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182976-1

Matrix: Ground Water

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	22000		5000	4000	ug/L			04/13/21 21:49	1
Ethane	ND		1700	330	ug/L			04/08/21 18:09	220
Ethene	460	J	1500	330	ug/L			04/08/21 18:09	220
Methane	21000		880	220	ug/L			04/08/21 18:09	220

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	21.4		0.050	0.019	mg/L		04/12/21 11:19	04/12/21 21:02	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.52		0.050	0.019	mg/L		04/16/21 09:59	04/16/21 21:33	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.21	^+ B	0.0030	0.00040	mg/L		04/09/21 08:20	04/12/21 17:37	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.11	B	0.0030	0.00040	mg/L		04/16/21 09:59	04/16/21 22:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	207		5.0	2.8	mg/L			04/12/21 18:32	10
Sulfate	8.5	J	20.0	3.5	mg/L			04/12/21 18:32	10
Alkalinity, Total	281		50.0	20.0	mg/L			04/12/21 23:19	5
Ammonia	0.062		0.020	0.0090	mg/L			04/12/21 10:50	1
Nitrate as N	ND		0.050	0.020	mg/L			04/08/21 17:43	1
Nitrite as N	ND		0.050	0.020	mg/L			04/08/21 17:43	1
Total Organic Carbon	16.8		1.0	0.43	mg/L			04/13/21 23:02	1
Ferric Iron	21.1		0.10	0.075	mg/L			04/14/21 14:20	1
Ferrous Iron	0.33	HF	0.20	0.15	mg/L			04/10/21 12:50	2
Sulfide	ND		1.0	0.67	mg/L			04/14/21 11:38	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-13S

Lab Sample ID: 480-182976-2

Date Collected: 04/07/21 11:42

Matrix: Ground Water

Date Received: 04/07/21 17:50

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	120000		5000	4000	ug/L			04/13/21 21:58	1
Ethane	710	J	830	170	ug/L			04/08/21 18:28	110
Ethene	ND		770	170	ug/L			04/08/21 18:28	110
Methane	20000		440	110	ug/L			04/08/21 18:28	110

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	11.0		0.050	0.019	mg/L		04/12/21 11:19	04/12/21 21:05	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.14		0.050	0.019	mg/L		04/16/21 09:59	04/16/21 21:37	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.17	^+ B	0.0030	0.00040	mg/L		04/09/21 08:20	04/12/21 17:40	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.17	B	0.0030	0.00040	mg/L		04/16/21 09:59	04/16/21 22:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		2.5	1.4	mg/L			04/12/21 18:47	5
Sulfate	7.5	J	10.0	1.7	mg/L			04/12/21 18:47	5
Alkalinity, Total	539		60.0	24.0	mg/L			04/12/21 22:55	6
Ammonia	0.52		0.020	0.0090	mg/L			04/12/21 10:51	1
Nitrate as N	ND		0.050	0.020	mg/L			04/08/21 17:45	1
Nitrite as N	ND		0.050	0.020	mg/L			04/08/21 17:45	1
Total Organic Carbon	6.8		1.0	0.43	mg/L			04/11/21 09:22	1
Ferric Iron	10.9		0.10	0.075	mg/L			04/14/21 14:20	1
Ferrous Iron	0.088	J HF	0.10	0.075	mg/L			04/10/21 12:50	1
Sulfide	ND		1.0	0.67	mg/L			04/14/21 11:38	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-16D

Lab Sample ID: 480-182976-3

Date Collected: 04/07/21 10:26

Matrix: Ground Water

Date Received: 04/07/21 17:50

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	16000		5000	4000	ug/L			04/13/21 22:06	1
Ethane	330	J	830	170	ug/L			04/08/21 18:47	110
Ethene	320	J	770	170	ug/L			04/08/21 18:47	110
Methane	17000		440	110	ug/L			04/08/21 18:47	110

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	3.2		0.050	0.019	mg/L		04/12/21 11:19	04/12/21 21:09	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.076		0.050	0.019	mg/L		04/16/21 09:59	04/16/21 21:41	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.010	B	0.0030	0.00040	mg/L		04/09/21 08:20	04/13/21 14:36	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0098	B	0.0030	0.00040	mg/L		04/16/21 09:59	04/16/21 22:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		5.0	2.8	mg/L			04/12/21 19:01	10
Sulfate	ND		20.0	3.5	mg/L			04/12/21 19:01	10
Alkalinity, Total	314		50.0	20.0	mg/L			04/12/21 22:55	5
Ammonia	1.7		0.020	0.0090	mg/L			04/12/21 10:52	1
Nitrate as N	ND		0.050	0.020	mg/L			04/08/21 17:47	1
Nitrite as N	ND		0.050	0.020	mg/L			04/08/21 17:47	1
Total Organic Carbon	2.8		1.0	0.43	mg/L			04/13/21 23:31	1
Ferric Iron	3.2		0.10	0.075	mg/L			04/14/21 14:20	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/10/21 12:50	1
Sulfide	ND		1.0	0.67	mg/L			04/14/21 11:38	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-8R

Lab Sample ID: 480-182978-1

Date Collected: 04/07/21 15:02

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			04/10/21 00:16	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			04/10/21 00:16	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			04/10/21 00:16	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			04/10/21 00:16	10
1,1-Dichloroethane	4.1	J	10	3.8	ug/L			04/10/21 00:16	10
1,1-Dichloroethene	ND		10	2.9	ug/L			04/10/21 00:16	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			04/10/21 00:16	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			04/10/21 00:16	10
1,2-Dibromoethane	ND		10	7.3	ug/L			04/10/21 00:16	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			04/10/21 00:16	10
1,2-Dichloroethane	ND		10	2.1	ug/L			04/10/21 00:16	10
1,2-Dichloropropane	ND		10	7.2	ug/L			04/10/21 00:16	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			04/10/21 00:16	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			04/10/21 00:16	10
2-Butanone (MEK)	ND		100	13	ug/L			04/10/21 00:16	10
2-Hexanone	ND		50	12	ug/L			04/10/21 00:16	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			04/10/21 00:16	10
Acetone	ND		100	30	ug/L			04/10/21 00:16	10
Benzene	ND		10	4.1	ug/L			04/10/21 00:16	10
Bromodichloromethane	ND		10	3.9	ug/L			04/10/21 00:16	10
Bromoform	ND		10	2.6	ug/L			04/10/21 00:16	10
Bromomethane	ND		10	6.9	ug/L			04/10/21 00:16	10
Carbon disulfide	ND		10	1.9	ug/L			04/10/21 00:16	10
Carbon tetrachloride	ND		10	2.7	ug/L			04/10/21 00:16	10
Chlorobenzene	ND		10	7.5	ug/L			04/10/21 00:16	10
Chloroethane	20		10	3.2	ug/L			04/10/21 00:16	10
Chloroform	ND		10	3.4	ug/L			04/10/21 00:16	10
Chloromethane	ND		10	3.5	ug/L			04/10/21 00:16	10
cis-1,2-Dichloroethene	300		10	8.1	ug/L			04/10/21 00:16	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			04/10/21 00:16	10
Cyclohexane	ND		10	1.8	ug/L			04/10/21 00:16	10
Dibromochloromethane	ND		10	3.2	ug/L			04/10/21 00:16	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			04/10/21 00:16	10
Ethylbenzene	ND		10	7.4	ug/L			04/10/21 00:16	10
Isopropylbenzene	ND		10	7.9	ug/L			04/10/21 00:16	10
Methyl acetate	ND		25	13	ug/L			04/10/21 00:16	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			04/10/21 00:16	10
Methylcyclohexane	ND		10	1.6	ug/L			04/10/21 00:16	10
Methylene Chloride	ND		10	4.4	ug/L			04/10/21 00:16	10
Styrene	ND		10	7.3	ug/L			04/10/21 00:16	10
Tetrachloroethene	ND		10	3.6	ug/L			04/10/21 00:16	10
Toluene	8.7	J	10	5.1	ug/L			04/10/21 00:16	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			04/10/21 00:16	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			04/10/21 00:16	10
Trichloroethene	ND		10	4.6	ug/L			04/10/21 00:16	10
Trichlorofluoromethane	ND		10	8.8	ug/L			04/10/21 00:16	10
Vinyl chloride	400		10	9.0	ug/L			04/10/21 00:16	10
Xylenes, Total	ND		20	6.6	ug/L			04/10/21 00:16	10

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-8R

Date Collected: 04/07/21 15:02

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182978-1

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		04/10/21 00:16	10
4-Bromofluorobenzene (Surr)	108		73 - 120		04/10/21 00:16	10
Toluene-d8 (Surr)	102		80 - 120		04/10/21 00:16	10
Dibromofluoromethane (Surr)	101		75 - 123		04/10/21 00:16	10

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	18.7		1.0	0.43	mg/L			04/14/21 02:54	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-13S

Lab Sample ID: 480-182978-2

Date Collected: 04/07/21 11:42

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/10/21 00:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/10/21 00:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/10/21 00:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/10/21 00:41	1
1,1-Dichloroethane	0.40	J	1.0	0.38	ug/L			04/10/21 00:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/10/21 00:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/10/21 00:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/10/21 00:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/10/21 00:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/10/21 00:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/10/21 00:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/10/21 00:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/10/21 00:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/10/21 00:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/10/21 00:41	1
2-Hexanone	ND		5.0	1.2	ug/L			04/10/21 00:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/10/21 00:41	1
Acetone	ND		10	3.0	ug/L			04/10/21 00:41	1
Benzene	ND		1.0	0.41	ug/L			04/10/21 00:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/10/21 00:41	1
Bromoform	ND		1.0	0.26	ug/L			04/10/21 00:41	1
Bromomethane	ND		1.0	0.69	ug/L			04/10/21 00:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/10/21 00:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/10/21 00:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/10/21 00:41	1
Chloroethane	3.3		1.0	0.32	ug/L			04/10/21 00:41	1
Chloroform	ND		1.0	0.34	ug/L			04/10/21 00:41	1
Chloromethane	ND		1.0	0.35	ug/L			04/10/21 00:41	1
cis-1,2-Dichloroethene	1.8		1.0	0.81	ug/L			04/10/21 00:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/10/21 00:41	1
Cyclohexane	ND		1.0	0.18	ug/L			04/10/21 00:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/10/21 00:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/10/21 00:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/21 00:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/10/21 00:41	1
Methyl acetate	ND		2.5	1.3	ug/L			04/10/21 00:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/10/21 00:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/10/21 00:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/10/21 00:41	1
Styrene	ND		1.0	0.73	ug/L			04/10/21 00:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/10/21 00:41	1
Toluene	ND		1.0	0.51	ug/L			04/10/21 00:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/10/21 00:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/10/21 00:41	1
Trichloroethene	0.77	J	1.0	0.46	ug/L			04/10/21 00:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/10/21 00:41	1
Vinyl chloride	7.1		1.0	0.90	ug/L			04/10/21 00:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/21 00:41	1

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-13S

Lab Sample ID: 480-182978-2

Date Collected: 04/07/21 11:42

Matrix: Water

Date Received: 04/07/21 17:50

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		04/10/21 00:41	1
4-Bromofluorobenzene (Surr)	107		73 - 120		04/10/21 00:41	1
Toluene-d8 (Surr)	103		80 - 120		04/10/21 00:41	1
Dibromofluoromethane (Surr)	102		75 - 123		04/10/21 00:41	1

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	6.4		1.0	0.43	mg/L	—		04/11/21 12:46	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-13D

Lab Sample ID: 480-182978-3

Date Collected: 04/07/21 01:10

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/10/21 01:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/10/21 01:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/10/21 01:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/10/21 01:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/10/21 01:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/10/21 01:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/10/21 01:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/10/21 01:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/10/21 01:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/10/21 01:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/10/21 01:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/10/21 01:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/10/21 01:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/10/21 01:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/10/21 01:05	1
2-Hexanone	ND		5.0	1.2	ug/L			04/10/21 01:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/10/21 01:05	1
Acetone	ND		10	3.0	ug/L			04/10/21 01:05	1
Benzene	ND		1.0	0.41	ug/L			04/10/21 01:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/10/21 01:05	1
Bromoform	ND		1.0	0.26	ug/L			04/10/21 01:05	1
Bromomethane	ND		1.0	0.69	ug/L			04/10/21 01:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/10/21 01:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/10/21 01:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/10/21 01:05	1
Chloroethane	2.6		1.0	0.32	ug/L			04/10/21 01:05	1
Chloroform	ND		1.0	0.34	ug/L			04/10/21 01:05	1
Chloromethane	ND		1.0	0.35	ug/L			04/10/21 01:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/10/21 01:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/10/21 01:05	1
Cyclohexane	ND		1.0	0.18	ug/L			04/10/21 01:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/10/21 01:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/10/21 01:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/21 01:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/10/21 01:05	1
Methyl acetate	ND		2.5	1.3	ug/L			04/10/21 01:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/10/21 01:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/10/21 01:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/10/21 01:05	1
Styrene	ND		1.0	0.73	ug/L			04/10/21 01:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/10/21 01:05	1
Toluene	ND		1.0	0.51	ug/L			04/10/21 01:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/10/21 01:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/10/21 01:05	1
Trichloroethene	ND		1.0	0.46	ug/L			04/10/21 01:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/10/21 01:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/10/21 01:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/21 01:05	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-13D

Lab Sample ID: 480-182978-3

Date Collected: 04/07/21 01:10

Matrix: Water

Date Received: 04/07/21 17:50

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		04/10/21 01:05	1
4-Bromofluorobenzene (Surr)	110		73 - 120		04/10/21 01:05	1
Toluene-d8 (Surr)	108		80 - 120		04/10/21 01:05	1
Dibromofluoromethane (Surr)	112		75 - 123		04/10/21 01:05	1

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	5.8		1.0	0.43	mg/L	—		04/11/21 13:15	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-16D

Lab Sample ID: 480-182978-4

Date Collected: 04/07/21 10:26

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/10/21 01:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/10/21 01:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/10/21 01:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/10/21 01:29	1
1,1-Dichloroethane	0.84	J	1.0	0.38	ug/L			04/10/21 01:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/10/21 01:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/10/21 01:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/10/21 01:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/10/21 01:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/10/21 01:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/10/21 01:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/10/21 01:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/10/21 01:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/10/21 01:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/10/21 01:29	1
2-Hexanone	ND		5.0	1.2	ug/L			04/10/21 01:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/10/21 01:29	1
Acetone	3.4	J	10	3.0	ug/L			04/10/21 01:29	1
Benzene	ND		1.0	0.41	ug/L			04/10/21 01:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/10/21 01:29	1
Bromoform	ND		1.0	0.26	ug/L			04/10/21 01:29	1
Bromomethane	ND		1.0	0.69	ug/L			04/10/21 01:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/10/21 01:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/10/21 01:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/10/21 01:29	1
Chloroethane	50		1.0	0.32	ug/L			04/10/21 01:29	1
Chloroform	ND		1.0	0.34	ug/L			04/10/21 01:29	1
Chloromethane	ND		1.0	0.35	ug/L			04/10/21 01:29	1
cis-1,2-Dichloroethene	2.5		1.0	0.81	ug/L			04/10/21 01:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/10/21 01:29	1
Cyclohexane	ND		1.0	0.18	ug/L			04/10/21 01:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/10/21 01:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/10/21 01:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/21 01:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/10/21 01:29	1
Methyl acetate	ND		2.5	1.3	ug/L			04/10/21 01:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/10/21 01:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/10/21 01:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/10/21 01:29	1
Styrene	ND		1.0	0.73	ug/L			04/10/21 01:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/10/21 01:29	1
Toluene	ND		1.0	0.51	ug/L			04/10/21 01:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/10/21 01:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/10/21 01:29	1
Trichloroethene	ND		1.0	0.46	ug/L			04/10/21 01:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/10/21 01:29	1
Vinyl chloride	2.7		1.0	0.90	ug/L			04/10/21 01:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/21 01:29	1

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-16D

Lab Sample ID: 480-182978-4

Date Collected: 04/07/21 10:26

Matrix: Water

Date Received: 04/07/21 17:50

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		04/10/21 01:29	1
4-Bromofluorobenzene (Surr)	110		73 - 120		04/10/21 01:29	1
Toluene-d8 (Surr)	104		80 - 120		04/10/21 01:29	1
Dibromofluoromethane (Surr)	104		75 - 123		04/10/21 01:29	1

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	2.7		1.0	0.43	mg/L			04/11/21 13:45	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-1

Lab Sample ID: 480-182978-5

Date Collected: 04/07/21 10:00

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			04/10/21 01:52	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			04/10/21 01:52	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			04/10/21 01:52	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			04/10/21 01:52	4
1,1-Dichloroethane	44		4.0	1.5	ug/L			04/10/21 01:52	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			04/10/21 01:52	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			04/10/21 01:52	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			04/10/21 01:52	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			04/10/21 01:52	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			04/10/21 01:52	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			04/10/21 01:52	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			04/10/21 01:52	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			04/10/21 01:52	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			04/10/21 01:52	4
2-Butanone (MEK)	93		40	5.3	ug/L			04/10/21 01:52	4
2-Hexanone	ND		20	5.0	ug/L			04/10/21 01:52	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			04/10/21 01:52	4
Acetone	290		40	12	ug/L			04/10/21 01:52	4
Benzene	ND		4.0	1.6	ug/L			04/10/21 01:52	4
Bromodichloromethane	ND		4.0	1.6	ug/L			04/10/21 01:52	4
Bromoform	ND		4.0	1.0	ug/L			04/10/21 01:52	4
Bromomethane	ND		4.0	2.8	ug/L			04/10/21 01:52	4
Carbon disulfide	ND		4.0	0.76	ug/L			04/10/21 01:52	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			04/10/21 01:52	4
Chlorobenzene	ND		4.0	3.0	ug/L			04/10/21 01:52	4
Chloroethane	5.9		4.0	1.3	ug/L			04/10/21 01:52	4
Chloroform	ND		4.0	1.4	ug/L			04/10/21 01:52	4
Chloromethane	ND		4.0	1.4	ug/L			04/10/21 01:52	4
cis-1,2-Dichloroethene	53		4.0	3.2	ug/L			04/10/21 01:52	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			04/10/21 01:52	4
Cyclohexane	ND		4.0	0.72	ug/L			04/10/21 01:52	4
Dibromochloromethane	ND		4.0	1.3	ug/L			04/10/21 01:52	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			04/10/21 01:52	4
Ethylbenzene	ND		4.0	3.0	ug/L			04/10/21 01:52	4
Isopropylbenzene	ND		4.0	3.2	ug/L			04/10/21 01:52	4
Methyl acetate	ND		10	5.2	ug/L			04/10/21 01:52	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			04/10/21 01:52	4
Methylcyclohexane	ND		4.0	0.64	ug/L			04/10/21 01:52	4
Methylene Chloride	ND		4.0	1.8	ug/L			04/10/21 01:52	4
Styrene	ND		4.0	2.9	ug/L			04/10/21 01:52	4
Tetrachloroethene	ND		4.0	1.4	ug/L			04/10/21 01:52	4
Toluene	8.8		4.0	2.0	ug/L			04/10/21 01:52	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			04/10/21 01:52	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			04/10/21 01:52	4
Trichloroethene	8.7		4.0	1.8	ug/L			04/10/21 01:52	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			04/10/21 01:52	4
Vinyl chloride	15		4.0	3.6	ug/L			04/10/21 01:52	4
Xylenes, Total	ND		8.0	2.6	ug/L			04/10/21 01:52	4

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-1

Lab Sample ID: 480-182978-5

Date Collected: 04/07/21 10:00

Matrix: Water

Date Received: 04/07/21 17:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		04/10/21 01:52	4
4-Bromofluorobenzene (Surr)	110		73 - 120		04/10/21 01:52	4
Toluene-d8 (Surr)	107		80 - 120		04/10/21 01:52	4
Dibromofluoromethane (Surr)	104		75 - 123		04/10/21 01:52	4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	181		4.0	1.7	mg/L	—		04/11/21 14:15	4

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-2

Lab Sample ID: 480-182978-6

Date Collected: 04/07/21 10:30

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/10/21 02:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/10/21 02:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/10/21 02:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/10/21 02:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/10/21 02:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/10/21 02:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/10/21 02:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/10/21 02:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/10/21 02:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/10/21 02:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/10/21 02:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/10/21 02:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/10/21 02:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/10/21 02:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/10/21 02:16	1
2-Hexanone	ND		5.0	1.2	ug/L			04/10/21 02:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/10/21 02:16	1
Acetone	ND		10	3.0	ug/L			04/10/21 02:16	1
Benzene	ND		1.0	0.41	ug/L			04/10/21 02:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/10/21 02:16	1
Bromoform	ND		1.0	0.26	ug/L			04/10/21 02:16	1
Bromomethane	ND		1.0	0.69	ug/L			04/10/21 02:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/10/21 02:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/10/21 02:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/10/21 02:16	1
Chloroethane	2.9		1.0	0.32	ug/L			04/10/21 02:16	1
Chloroform	ND		1.0	0.34	ug/L			04/10/21 02:16	1
Chloromethane	ND		1.0	0.35	ug/L			04/10/21 02:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/10/21 02:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/10/21 02:16	1
Cyclohexane	0.18 J		1.0	0.18	ug/L			04/10/21 02:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/10/21 02:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/10/21 02:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/21 02:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/10/21 02:16	1
Methyl acetate	ND		2.5	1.3	ug/L			04/10/21 02:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/10/21 02:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/10/21 02:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/10/21 02:16	1
Styrene	ND		1.0	0.73	ug/L			04/10/21 02:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/10/21 02:16	1
Toluene	ND		1.0	0.51	ug/L			04/10/21 02:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/10/21 02:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/10/21 02:16	1
Trichloroethene	ND		1.0	0.46	ug/L			04/10/21 02:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/10/21 02:16	1
Vinyl chloride	1.1		1.0	0.90	ug/L			04/10/21 02:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/21 02:16	1

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-2

Lab Sample ID: 480-182978-6

Date Collected: 04/07/21 10:30

Matrix: Water

Date Received: 04/07/21 17:50

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		04/10/21 02:16	1
4-Bromofluorobenzene (Surr)	112		73 - 120		04/10/21 02:16	1
Toluene-d8 (Surr)	105		80 - 120		04/10/21 02:16	1
Dibromofluoromethane (Surr)	111		75 - 123		04/10/21 02:16	1

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	9.5		1.0	0.43	mg/L	—		04/11/21 14:43	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-3

Lab Sample ID: 480-182978-7

Date Collected: 04/07/21 10:45

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			04/10/21 02:41	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			04/10/21 02:41	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/10/21 02:41	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/10/21 02:41	20
1,1-Dichloroethane	15	J	20	7.6	ug/L			04/10/21 02:41	20
1,1-Dichloroethene	ND		20	5.8	ug/L			04/10/21 02:41	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/10/21 02:41	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/10/21 02:41	20
1,2-Dibromoethane	ND		20	15	ug/L			04/10/21 02:41	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/10/21 02:41	20
1,2-Dichloroethane	ND		20	4.2	ug/L			04/10/21 02:41	20
1,2-Dichloropropane	ND		20	14	ug/L			04/10/21 02:41	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/10/21 02:41	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/10/21 02:41	20
2-Butanone (MEK)	ND		200	26	ug/L			04/10/21 02:41	20
2-Hexanone	ND		100	25	ug/L			04/10/21 02:41	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/10/21 02:41	20
Acetone	ND		200	60	ug/L			04/10/21 02:41	20
Benzene	ND		20	8.2	ug/L			04/10/21 02:41	20
Bromodichloromethane	ND		20	7.8	ug/L			04/10/21 02:41	20
Bromoform	ND		20	5.2	ug/L			04/10/21 02:41	20
Bromomethane	ND		20	14	ug/L			04/10/21 02:41	20
Carbon disulfide	ND		20	3.8	ug/L			04/10/21 02:41	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/10/21 02:41	20
Chlorobenzene	ND		20	15	ug/L			04/10/21 02:41	20
Chloroethane	ND		20	6.4	ug/L			04/10/21 02:41	20
Chloroform	ND		20	6.8	ug/L			04/10/21 02:41	20
Chloromethane	ND		20	7.0	ug/L			04/10/21 02:41	20
cis-1,2-Dichloroethene	940		20	16	ug/L			04/10/21 02:41	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/10/21 02:41	20
Cyclohexane	ND		20	3.6	ug/L			04/10/21 02:41	20
Dibromochloromethane	ND		20	6.4	ug/L			04/10/21 02:41	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/10/21 02:41	20
Ethylbenzene	ND		20	15	ug/L			04/10/21 02:41	20
Isopropylbenzene	ND		20	16	ug/L			04/10/21 02:41	20
Methyl acetate	ND		50	26	ug/L			04/10/21 02:41	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/10/21 02:41	20
Methylcyclohexane	ND		20	3.2	ug/L			04/10/21 02:41	20
Methylene Chloride	ND		20	8.8	ug/L			04/10/21 02:41	20
Styrene	ND		20	15	ug/L			04/10/21 02:41	20
Tetrachloroethene	ND		20	7.2	ug/L			04/10/21 02:41	20
Toluene	ND		20	10	ug/L			04/10/21 02:41	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/10/21 02:41	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/10/21 02:41	20
Trichloroethene	160		20	9.2	ug/L			04/10/21 02:41	20
Trichlorofluoromethane	ND		20	18	ug/L			04/10/21 02:41	20
Vinyl chloride	300		20	18	ug/L			04/10/21 02:41	20
Xylenes, Total	ND		40	13	ug/L			04/10/21 02:41	20

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-3

Lab Sample ID: 480-182978-7

Date Collected: 04/07/21 10:45

Matrix: Water

Date Received: 04/07/21 17:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		04/10/21 02:41	20
4-Bromofluorobenzene (Surr)	111		73 - 120		04/10/21 02:41	20
Toluene-d8 (Surr)	105		80 - 120		04/10/21 02:41	20
Dibromofluoromethane (Surr)	101		75 - 123		04/10/21 02:41	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	14.7		1.0	0.43	mg/L	—		04/11/21 15:12	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-4

Lab Sample ID: 480-182978-8

Date Collected: 04/07/21 11:00

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			04/10/21 03:05	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			04/10/21 03:05	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			04/10/21 03:05	50
1,1,2-Trichloroethane	ND		50	12	ug/L			04/10/21 03:05	50
1,1-Dichloroethane	ND		50	19	ug/L			04/10/21 03:05	50
1,1-Dichloroethene	ND		50	15	ug/L			04/10/21 03:05	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			04/10/21 03:05	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			04/10/21 03:05	50
1,2-Dibromoethane	ND		50	37	ug/L			04/10/21 03:05	50
1,2-Dichlorobenzene	ND		50	40	ug/L			04/10/21 03:05	50
1,2-Dichloroethane	ND		50	11	ug/L			04/10/21 03:05	50
1,2-Dichloropropane	ND		50	36	ug/L			04/10/21 03:05	50
1,3-Dichlorobenzene	ND		50	39	ug/L			04/10/21 03:05	50
1,4-Dichlorobenzene	ND		50	42	ug/L			04/10/21 03:05	50
2-Butanone (MEK)	ND		500	66	ug/L			04/10/21 03:05	50
2-Hexanone	ND		250	62	ug/L			04/10/21 03:05	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			04/10/21 03:05	50
Acetone	ND		500	150	ug/L			04/10/21 03:05	50
Benzene	ND		50	21	ug/L			04/10/21 03:05	50
Bromodichloromethane	ND		50	20	ug/L			04/10/21 03:05	50
Bromoform	ND		50	13	ug/L			04/10/21 03:05	50
Bromomethane	ND		50	35	ug/L			04/10/21 03:05	50
Carbon disulfide	ND		50	9.5	ug/L			04/10/21 03:05	50
Carbon tetrachloride	ND		50	14	ug/L			04/10/21 03:05	50
Chlorobenzene	ND		50	38	ug/L			04/10/21 03:05	50
Chloroethane	ND		50	16	ug/L			04/10/21 03:05	50
Chloroform	ND		50	17	ug/L			04/10/21 03:05	50
Chloromethane	ND		50	18	ug/L			04/10/21 03:05	50
cis-1,2-Dichloroethene	1100		50	41	ug/L			04/10/21 03:05	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			04/10/21 03:05	50
Cyclohexane	ND		50	9.0	ug/L			04/10/21 03:05	50
Dibromochloromethane	ND		50	16	ug/L			04/10/21 03:05	50
Dichlorodifluoromethane	ND		50	34	ug/L			04/10/21 03:05	50
Ethylbenzene	ND		50	37	ug/L			04/10/21 03:05	50
Isopropylbenzene	ND		50	40	ug/L			04/10/21 03:05	50
Methyl acetate	ND		130	65	ug/L			04/10/21 03:05	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			04/10/21 03:05	50
Methylcyclohexane	ND		50	8.0	ug/L			04/10/21 03:05	50
Methylene Chloride	ND		50	22	ug/L			04/10/21 03:05	50
Styrene	ND		50	37	ug/L			04/10/21 03:05	50
Tetrachloroethene	ND		50	18	ug/L			04/10/21 03:05	50
Toluene	ND		50	26	ug/L			04/10/21 03:05	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			04/10/21 03:05	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			04/10/21 03:05	50
Trichloroethene	74		50	23	ug/L			04/10/21 03:05	50
Trichlorofluoromethane	ND		50	44	ug/L			04/10/21 03:05	50
Vinyl chloride	1400		50	45	ug/L			04/10/21 03:05	50
Xylenes, Total	ND		100	33	ug/L			04/10/21 03:05	50

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-4

Lab Sample ID: 480-182978-8

Date Collected: 04/07/21 11:00

Matrix: Water

Date Received: 04/07/21 17:50

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		04/10/21 03:05	50
4-Bromofluorobenzene (Surr)	110		73 - 120		04/10/21 03:05	50
Toluene-d8 (Surr)	105		80 - 120		04/10/21 03:05	50
Dibromofluoromethane (Surr)	107		75 - 123		04/10/21 03:05	50

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	14.6		1.0	0.43	mg/L			04/11/21 17:37	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-5

Lab Sample ID: 480-182978-9

Date Collected: 04/07/21 10:15

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			04/10/21 03:29	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			04/10/21 03:29	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			04/10/21 03:29	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			04/10/21 03:29	4
1,1-Dichloroethane	3.6	J	4.0	1.5	ug/L			04/10/21 03:29	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			04/10/21 03:29	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			04/10/21 03:29	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			04/10/21 03:29	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			04/10/21 03:29	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			04/10/21 03:29	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			04/10/21 03:29	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			04/10/21 03:29	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			04/10/21 03:29	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			04/10/21 03:29	4
2-Butanone (MEK)	ND		40	5.3	ug/L			04/10/21 03:29	4
2-Hexanone	ND		20	5.0	ug/L			04/10/21 03:29	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			04/10/21 03:29	4
Acetone	40		40	12	ug/L			04/10/21 03:29	4
Benzene	ND		4.0	1.6	ug/L			04/10/21 03:29	4
Bromodichloromethane	ND		4.0	1.6	ug/L			04/10/21 03:29	4
Bromoform	ND		4.0	1.0	ug/L			04/10/21 03:29	4
Bromomethane	ND		4.0	2.8	ug/L			04/10/21 03:29	4
Carbon disulfide	2.7	J	4.0	0.76	ug/L			04/10/21 03:29	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			04/10/21 03:29	4
Chlorobenzene	ND		4.0	3.0	ug/L			04/10/21 03:29	4
Chloroethane	19		4.0	1.3	ug/L			04/10/21 03:29	4
Chloroform	ND		4.0	1.4	ug/L			04/10/21 03:29	4
Chloromethane	ND		4.0	1.4	ug/L			04/10/21 03:29	4
cis-1,2-Dichloroethene	27		4.0	3.2	ug/L			04/10/21 03:29	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			04/10/21 03:29	4
Cyclohexane	ND		4.0	0.72	ug/L			04/10/21 03:29	4
Dibromochloromethane	ND		4.0	1.3	ug/L			04/10/21 03:29	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			04/10/21 03:29	4
Ethylbenzene	ND		4.0	3.0	ug/L			04/10/21 03:29	4
Isopropylbenzene	ND		4.0	3.2	ug/L			04/10/21 03:29	4
Methyl acetate	ND		10	5.2	ug/L			04/10/21 03:29	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			04/10/21 03:29	4
Methylcyclohexane	ND		4.0	0.64	ug/L			04/10/21 03:29	4
Methylene Chloride	ND		4.0	1.8	ug/L			04/10/21 03:29	4
Styrene	ND		4.0	2.9	ug/L			04/10/21 03:29	4
Tetrachloroethene	ND		4.0	1.4	ug/L			04/10/21 03:29	4
Toluene	ND		4.0	2.0	ug/L			04/10/21 03:29	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			04/10/21 03:29	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			04/10/21 03:29	4
Trichloroethene	ND		4.0	1.8	ug/L			04/10/21 03:29	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			04/10/21 03:29	4
Vinyl chloride	33		4.0	3.6	ug/L			04/10/21 03:29	4
Xylenes, Total	ND		8.0	2.6	ug/L			04/10/21 03:29	4

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-5

Date Collected: 04/07/21 10:15

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182978-9

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		04/10/21 03:29	4
4-Bromofluorobenzene (Surr)	111		73 - 120		04/10/21 03:29	4
Toluene-d8 (Surr)	106		80 - 120		04/10/21 03:29	4
Dibromofluoromethane (Surr)	104		75 - 123		04/10/21 03:29	4

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	64.9		1.0	0.43	mg/L	—		04/11/21 18:35	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-6

Lab Sample ID: 480-182978-10

Date Collected: 04/07/21 11:15

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/10/21 03:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/10/21 03:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/10/21 03:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/10/21 03:53	1
1,1-Dichloroethane	0.43	J	1.0	0.38	ug/L			04/10/21 03:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/10/21 03:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/10/21 03:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/10/21 03:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/10/21 03:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/10/21 03:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/10/21 03:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/10/21 03:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/10/21 03:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/10/21 03:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/10/21 03:53	1
2-Hexanone	ND		5.0	1.2	ug/L			04/10/21 03:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/10/21 03:53	1
Acetone	ND		10	3.0	ug/L			04/10/21 03:53	1
Benzene	ND		1.0	0.41	ug/L			04/10/21 03:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/10/21 03:53	1
Bromoform	ND		1.0	0.26	ug/L			04/10/21 03:53	1
Bromomethane	ND		1.0	0.69	ug/L			04/10/21 03:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/10/21 03:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/10/21 03:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/10/21 03:53	1
Chloroethane	ND		1.0	0.32	ug/L			04/10/21 03:53	1
Chloroform	ND		1.0	0.34	ug/L			04/10/21 03:53	1
Chloromethane	ND		1.0	0.35	ug/L			04/10/21 03:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/10/21 03:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/10/21 03:53	1
Cyclohexane	ND		1.0	0.18	ug/L			04/10/21 03:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/10/21 03:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/10/21 03:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/21 03:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/10/21 03:53	1
Methyl acetate	ND		2.5	1.3	ug/L			04/10/21 03:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/10/21 03:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/10/21 03:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/10/21 03:53	1
Styrene	ND		1.0	0.73	ug/L			04/10/21 03:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/10/21 03:53	1
Toluene	ND		1.0	0.51	ug/L			04/10/21 03:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/10/21 03:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/10/21 03:53	1
Trichloroethene	ND		1.0	0.46	ug/L			04/10/21 03:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/10/21 03:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/10/21 03:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/21 03:53	1

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-6

Lab Sample ID: 480-182978-10

Date Collected: 04/07/21 11:15

Matrix: Water

Date Received: 04/07/21 17:50

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		04/10/21 03:53	1
4-Bromofluorobenzene (Surr)	111		73 - 120		04/10/21 03:53	1
Toluene-d8 (Surr)	104		80 - 120		04/10/21 03:53	1
Dibromofluoromethane (Surr)	100		75 - 123		04/10/21 03:53	1

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	6.1		1.0	0.43	mg/L	—		04/11/21 19:34	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-7

Lab Sample ID: 480-182978-11

Date Collected: 04/07/21 11:30

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/10/21 04:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/10/21 04:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/10/21 04:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/10/21 04:17	1
1,1-Dichloroethane	78		1.0	0.38	ug/L			04/10/21 04:17	1
1,1-Dichloroethene	3.5		1.0	0.29	ug/L			04/10/21 04:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/10/21 04:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/10/21 04:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/10/21 04:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/10/21 04:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/10/21 04:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/10/21 04:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/10/21 04:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/10/21 04:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/10/21 04:17	1
2-Hexanone	ND		5.0	1.2	ug/L			04/10/21 04:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/10/21 04:17	1
Acetone	ND		10	3.0	ug/L			04/10/21 04:17	1
Benzene	0.53	J	1.0	0.41	ug/L			04/10/21 04:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/10/21 04:17	1
Bromoform	ND		1.0	0.26	ug/L			04/10/21 04:17	1
Bromomethane	ND		1.0	0.69	ug/L			04/10/21 04:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/10/21 04:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/10/21 04:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/10/21 04:17	1
Chloroethane	350	E	1.0	0.32	ug/L			04/10/21 04:17	1
Chloroform	ND		1.0	0.34	ug/L			04/10/21 04:17	1
Chloromethane	ND		1.0	0.35	ug/L			04/10/21 04:17	1
cis-1,2-Dichloroethene	110	E	1.0	0.81	ug/L			04/10/21 04:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/10/21 04:17	1
Cyclohexane	ND		1.0	0.18	ug/L			04/10/21 04:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/10/21 04:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/10/21 04:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/21 04:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/10/21 04:17	1
Methyl acetate	ND		2.5	1.3	ug/L			04/10/21 04:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/10/21 04:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/10/21 04:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/10/21 04:17	1
Styrene	ND		1.0	0.73	ug/L			04/10/21 04:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/10/21 04:17	1
Toluene	8.4		1.0	0.51	ug/L			04/10/21 04:17	1
trans-1,2-Dichloroethene	1.2		1.0	0.90	ug/L			04/10/21 04:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/10/21 04:17	1
Trichloroethene	21		1.0	0.46	ug/L			04/10/21 04:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/10/21 04:17	1
Vinyl chloride	1300	E	1.0	0.90	ug/L			04/10/21 04:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/21 04:17	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-7

Lab Sample ID: 480-182978-11

Date Collected: 04/07/21 11:30

Matrix: Water

Date Received: 04/07/21 17:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		04/10/21 04:17	1
4-Bromofluorobenzene (Surr)	108		73 - 120		04/10/21 04:17	1
Toluene-d8 (Surr)	105		80 - 120		04/10/21 04:17	1
Dibromofluoromethane (Surr)	106		75 - 123		04/10/21 04:17	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			04/11/21 16:17	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			04/11/21 16:17	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/11/21 16:17	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/11/21 16:17	20
1,1-Dichloroethane	86		20	7.6	ug/L			04/11/21 16:17	20
1,1-Dichloroethene	ND		20	5.8	ug/L			04/11/21 16:17	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/11/21 16:17	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/11/21 16:17	20
1,2-Dibromoethane	ND		20	15	ug/L			04/11/21 16:17	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/11/21 16:17	20
1,2-Dichloroethane	ND		20	4.2	ug/L			04/11/21 16:17	20
1,2-Dichloropropane	ND		20	14	ug/L			04/11/21 16:17	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/11/21 16:17	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/11/21 16:17	20
2-Butanone (MEK)	ND		200	26	ug/L			04/11/21 16:17	20
2-Hexanone	ND		100	25	ug/L			04/11/21 16:17	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/11/21 16:17	20
Acetone	ND		200	60	ug/L			04/11/21 16:17	20
Benzene	ND		20	8.2	ug/L			04/11/21 16:17	20
Bromodichloromethane	ND		20	7.8	ug/L			04/11/21 16:17	20
Bromoform	ND		20	5.2	ug/L			04/11/21 16:17	20
Bromomethane	ND		20	14	ug/L			04/11/21 16:17	20
Carbon disulfide	ND		20	3.8	ug/L			04/11/21 16:17	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/11/21 16:17	20
Chlorobenzene	ND		20	15	ug/L			04/11/21 16:17	20
Chloroethane	380		20	6.4	ug/L			04/11/21 16:17	20
Chloroform	ND		20	6.8	ug/L			04/11/21 16:17	20
Chloromethane	ND		20	7.0	ug/L			04/11/21 16:17	20
cis-1,2-Dichloroethene	130		20	16	ug/L			04/11/21 16:17	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/11/21 16:17	20
Cyclohexane	ND		20	3.6	ug/L			04/11/21 16:17	20
Dibromochloromethane	ND		20	6.4	ug/L			04/11/21 16:17	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/11/21 16:17	20
Ethylbenzene	ND		20	15	ug/L			04/11/21 16:17	20
Isopropylbenzene	ND		20	16	ug/L			04/11/21 16:17	20
Methyl acetate	ND		50	26	ug/L			04/11/21 16:17	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/11/21 16:17	20
Methylcyclohexane	ND		20	3.2	ug/L			04/11/21 16:17	20
Methylene Chloride	ND		20	8.8	ug/L			04/11/21 16:17	20
Styrene	ND		20	15	ug/L			04/11/21 16:17	20
Tetrachloroethene	ND		20	7.2	ug/L			04/11/21 16:17	20
Toluene	11 J		20	10	ug/L			04/11/21 16:17	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/11/21 16:17	20

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-7

Lab Sample ID: 480-182978-11

Date Collected: 04/07/21 11:30

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/11/21 16:17	20
Trichloroethene	26		20	9.2	ug/L			04/11/21 16:17	20
Trichlorofluoromethane	ND		20	18	ug/L			04/11/21 16:17	20
Vinyl chloride	1400		20	18	ug/L			04/11/21 16:17	20
Xylenes, Total	ND		40	13	ug/L			04/11/21 16:17	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		04/11/21 16:17	20
4-Bromofluorobenzene (Surr)	100		73 - 120		04/11/21 16:17	20
Toluene-d8 (Surr)	104		80 - 120		04/11/21 16:17	20
Dibromofluoromethane (Surr)	102		75 - 123		04/11/21 16:17	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	11.0		1.0	0.43	mg/L			04/14/21 03:23	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-8

Lab Sample ID: 480-182978-12

Date Collected: 04/07/21 12:00

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	130		100	82	ug/L			04/11/21 16:41	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			04/11/21 16:41	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			04/11/21 16:41	100
1,1,2-Trichloroethane	ND		100	23	ug/L			04/11/21 16:41	100
1,1-Dichloroethane	73 J		100	38	ug/L			04/11/21 16:41	100
1,1-Dichloroethene	ND		100	29	ug/L			04/11/21 16:41	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			04/11/21 16:41	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			04/11/21 16:41	100
1,2-Dibromoethane	ND		100	73	ug/L			04/11/21 16:41	100
1,2-Dichlorobenzene	ND		100	79	ug/L			04/11/21 16:41	100
1,2-Dichloroethane	ND		100	21	ug/L			04/11/21 16:41	100
1,2-Dichloropropane	ND		100	72	ug/L			04/11/21 16:41	100
1,3-Dichlorobenzene	ND		100	78	ug/L			04/11/21 16:41	100
1,4-Dichlorobenzene	ND		100	84	ug/L			04/11/21 16:41	100
2-Butanone (MEK)	ND		1000	130	ug/L			04/11/21 16:41	100
2-Hexanone	ND		500	120	ug/L			04/11/21 16:41	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			04/11/21 16:41	100
Acetone	ND		1000	300	ug/L			04/11/21 16:41	100
Benzene	ND		100	41	ug/L			04/11/21 16:41	100
Bromodichloromethane	ND		100	39	ug/L			04/11/21 16:41	100
Bromoform	ND		100	26	ug/L			04/11/21 16:41	100
Bromomethane	ND		100	69	ug/L			04/11/21 16:41	100
Carbon disulfide	ND		100	19	ug/L			04/11/21 16:41	100
Carbon tetrachloride	ND		100	27	ug/L			04/11/21 16:41	100
Chlorobenzene	ND		100	75	ug/L			04/11/21 16:41	100
Chloroethane	ND		100	32	ug/L			04/11/21 16:41	100
Chloroform	ND		100	34	ug/L			04/11/21 16:41	100
Chloromethane	ND		100	35	ug/L			04/11/21 16:41	100
cis-1,2-Dichloroethene	4800 F1		100	81	ug/L			04/11/21 16:41	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			04/11/21 16:41	100
Cyclohexane	ND		100	18	ug/L			04/11/21 16:41	100
Dibromochloromethane	ND		100	32	ug/L			04/11/21 16:41	100
Dichlorodifluoromethane	ND		100	68	ug/L			04/11/21 16:41	100
Ethylbenzene	ND		100	74	ug/L			04/11/21 16:41	100
Isopropylbenzene	ND		100	79	ug/L			04/11/21 16:41	100
Methyl acetate	ND		250	130	ug/L			04/11/21 16:41	100
Methyl tert-butyl ether	ND		100	16	ug/L			04/11/21 16:41	100
Methylcyclohexane	ND		100	16	ug/L			04/11/21 16:41	100
Methylene Chloride	ND		100	44	ug/L			04/11/21 16:41	100
Styrene	ND		100	73	ug/L			04/11/21 16:41	100
Tetrachloroethene	ND		100	36	ug/L			04/11/21 16:41	100
Toluene	ND		100	51	ug/L			04/11/21 16:41	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			04/11/21 16:41	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			04/11/21 16:41	100
Trichloroethene	350		100	46	ug/L			04/11/21 16:41	100
Trichlorofluoromethane	ND		100	88	ug/L			04/11/21 16:41	100
Vinyl chloride	720		100	90	ug/L			04/11/21 16:41	100
Xylenes, Total	ND		200	66	ug/L			04/11/21 16:41	100

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: DPE-8

Lab Sample ID: 480-182978-12

Date Collected: 04/07/21 12:00

Matrix: Water

Date Received: 04/07/21 17:50

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		04/11/21 16:41	100
4-Bromofluorobenzene (Surr)	106		73 - 120		04/11/21 16:41	100
Toluene-d8 (Surr)	106		80 - 120		04/11/21 16:41	100
Dibromofluoromethane (Surr)	114		75 - 123		04/11/21 16:41	100

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	16.3		1.0	0.43	mg/L			04/11/21 20:31	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: GWCT

Lab Sample ID: 480-182978-13

Date Collected: 04/07/21 08:15

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/10/21 05:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/10/21 05:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/10/21 05:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/10/21 05:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/10/21 05:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/10/21 05:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/10/21 05:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/10/21 05:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/10/21 05:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/10/21 05:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/10/21 05:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/10/21 05:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/10/21 05:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/10/21 05:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/10/21 05:05	1
2-Hexanone	ND		5.0	1.2	ug/L			04/10/21 05:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/10/21 05:05	1
Acetone	ND		10	3.0	ug/L			04/10/21 05:05	1
Benzene	ND		1.0	0.41	ug/L			04/10/21 05:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/10/21 05:05	1
Bromoform	ND		1.0	0.26	ug/L			04/10/21 05:05	1
Bromomethane	ND		1.0	0.69	ug/L			04/10/21 05:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/10/21 05:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/10/21 05:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/10/21 05:05	1
Chloroethane	29		1.0	0.32	ug/L			04/10/21 05:05	1
Chloroform	ND		1.0	0.34	ug/L			04/10/21 05:05	1
Chloromethane	ND		1.0	0.35	ug/L			04/10/21 05:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/10/21 05:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/10/21 05:05	1
Cyclohexane	ND		1.0	0.18	ug/L			04/10/21 05:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/10/21 05:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/10/21 05:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/21 05:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/10/21 05:05	1
Methyl acetate	ND		2.5	1.3	ug/L			04/10/21 05:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/10/21 05:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/10/21 05:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/10/21 05:05	1
Styrene	ND		1.0	0.73	ug/L			04/10/21 05:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/10/21 05:05	1
Toluene	ND		1.0	0.51	ug/L			04/10/21 05:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/10/21 05:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/10/21 05:05	1
Trichloroethene	ND		1.0	0.46	ug/L			04/10/21 05:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/10/21 05:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/10/21 05:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/21 05:05	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: GWCT

Date Collected: 04/07/21 08:15

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182978-13

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		04/10/21 05:05	1
4-Bromofluorobenzene (Surr)	109		73 - 120		04/10/21 05:05	1
Toluene-d8 (Surr)	106		80 - 120		04/10/21 05:05	1
Dibromofluoromethane (Surr)	102		75 - 123		04/10/21 05:05	1

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	2.8		1.0	0.43	mg/L	—		04/11/21 21:00	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-182978-14

Date Collected: 04/07/21 08:45

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/10/21 05:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/10/21 05:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/10/21 05:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/10/21 05:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/10/21 05:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/10/21 05:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/10/21 05:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/10/21 05:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/10/21 05:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/10/21 05:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/10/21 05:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/10/21 05:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/10/21 05:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/10/21 05:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/10/21 05:29	1
2-Hexanone	ND		5.0	1.2	ug/L			04/10/21 05:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/10/21 05:29	1
Acetone	ND		10	3.0	ug/L			04/10/21 05:29	1
Benzene	ND		1.0	0.41	ug/L			04/10/21 05:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/10/21 05:29	1
Bromoform	ND		1.0	0.26	ug/L			04/10/21 05:29	1
Bromomethane	ND		1.0	0.69	ug/L			04/10/21 05:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/10/21 05:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/10/21 05:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/10/21 05:29	1
Chloroethane	ND		1.0	0.32	ug/L			04/10/21 05:29	1
Chloroform	ND		1.0	0.34	ug/L			04/10/21 05:29	1
Chloromethane	ND		1.0	0.35	ug/L			04/10/21 05:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/10/21 05:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/10/21 05:29	1
Cyclohexane	ND		1.0	0.18	ug/L			04/10/21 05:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/10/21 05:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/10/21 05:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/21 05:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/10/21 05:29	1
Methyl acetate	ND		2.5	1.3	ug/L			04/10/21 05:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/10/21 05:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/10/21 05:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/10/21 05:29	1
Styrene	ND		1.0	0.73	ug/L			04/10/21 05:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/10/21 05:29	1
Toluene	ND		1.0	0.51	ug/L			04/10/21 05:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/10/21 05:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/10/21 05:29	1
Trichloroethene	ND		1.0	0.46	ug/L			04/10/21 05:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/10/21 05:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/10/21 05:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/21 05:29	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-182978-14

Date Collected: 04/07/21 08:45

Matrix: Water

Date Received: 04/07/21 17:50

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		04/10/21 05:29	1
4-Bromofluorobenzene (Surr)	106		73 - 120		04/10/21 05:29	1
Toluene-d8 (Surr)	105		80 - 120		04/10/21 05:29	1
Dibromofluoromethane (Surr)	105		75 - 123		04/10/21 05:29	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-14S

Lab Sample ID: 480-182978-15

Date Collected: 04/07/21 14:30

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/10/21 05:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/10/21 05:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/10/21 05:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/10/21 05:53	1
1,1-Dichloroethane	13		1.0	0.38	ug/L			04/10/21 05:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/10/21 05:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/10/21 05:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/10/21 05:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/10/21 05:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/10/21 05:53	1
1,2-Dichloroethane	0.46 J		1.0	0.21	ug/L			04/10/21 05:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/10/21 05:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/10/21 05:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/10/21 05:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/10/21 05:53	1
2-Hexanone	ND		5.0	1.2	ug/L			04/10/21 05:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/10/21 05:53	1
Acetone	ND		10	3.0	ug/L			04/10/21 05:53	1
Benzene	0.56 J		1.0	0.41	ug/L			04/10/21 05:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/10/21 05:53	1
Bromoform	ND		1.0	0.26	ug/L			04/10/21 05:53	1
Bromomethane	ND		1.0	0.69	ug/L			04/10/21 05:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/10/21 05:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/10/21 05:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/10/21 05:53	1
Chloroethane	1.9		1.0	0.32	ug/L			04/10/21 05:53	1
Chloroform	ND		1.0	0.34	ug/L			04/10/21 05:53	1
Chloromethane	ND		1.0	0.35	ug/L			04/10/21 05:53	1
cis-1,2-Dichloroethene	10		1.0	0.81	ug/L			04/10/21 05:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/10/21 05:53	1
Cyclohexane	ND		1.0	0.18	ug/L			04/10/21 05:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/10/21 05:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/10/21 05:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/21 05:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/10/21 05:53	1
Methyl acetate	ND		2.5	1.3	ug/L			04/10/21 05:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/10/21 05:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/10/21 05:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/10/21 05:53	1
Styrene	ND		1.0	0.73	ug/L			04/10/21 05:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/10/21 05:53	1
Toluene	ND		1.0	0.51	ug/L			04/10/21 05:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/10/21 05:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/10/21 05:53	1
Trichloroethene	ND		1.0	0.46	ug/L			04/10/21 05:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/10/21 05:53	1
Vinyl chloride	6.0		1.0	0.90	ug/L			04/10/21 05:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/21 05:53	1

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-14S

Lab Sample ID: 480-182978-15

Date Collected: 04/07/21 14:30

Matrix: Water

Date Received: 04/07/21 17:50

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		04/10/21 05:53	1
4-Bromofluorobenzene (Surr)	111		73 - 120		04/10/21 05:53	1
Toluene-d8 (Surr)	102		80 - 120		04/10/21 05:53	1
Dibromofluoromethane (Surr)	102		75 - 123		04/10/21 05:53	1

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	5.8		1.0	0.43	mg/L	—		04/11/21 22:27	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-14D

Lab Sample ID: 480-182978-16

Date Collected: 04/07/21 15:12

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/10/21 06:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/10/21 06:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/10/21 06:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/10/21 06:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/10/21 06:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/10/21 06:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/10/21 06:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/10/21 06:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/10/21 06:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/10/21 06:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/10/21 06:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/10/21 06:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/10/21 06:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/10/21 06:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/10/21 06:17	1
2-Hexanone	ND		5.0	1.2	ug/L			04/10/21 06:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/10/21 06:17	1
Acetone	ND		10	3.0	ug/L			04/10/21 06:17	1
Benzene	ND		1.0	0.41	ug/L			04/10/21 06:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/10/21 06:17	1
Bromoform	ND		1.0	0.26	ug/L			04/10/21 06:17	1
Bromomethane	ND		1.0	0.69	ug/L			04/10/21 06:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/10/21 06:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/10/21 06:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/10/21 06:17	1
Chloroethane	ND		1.0	0.32	ug/L			04/10/21 06:17	1
Chloroform	ND		1.0	0.34	ug/L			04/10/21 06:17	1
Chloromethane	ND		1.0	0.35	ug/L			04/10/21 06:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/10/21 06:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/10/21 06:17	1
Cyclohexane	ND		1.0	0.18	ug/L			04/10/21 06:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/10/21 06:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/10/21 06:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/21 06:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/10/21 06:17	1
Methyl acetate	ND		2.5	1.3	ug/L			04/10/21 06:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/10/21 06:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/10/21 06:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/10/21 06:17	1
Styrene	ND		1.0	0.73	ug/L			04/10/21 06:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/10/21 06:17	1
Toluene	ND		1.0	0.51	ug/L			04/10/21 06:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/10/21 06:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/10/21 06:17	1
Trichloroethene	ND		1.0	0.46	ug/L			04/10/21 06:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/10/21 06:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/10/21 06:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/21 06:17	1

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-14D

Lab Sample ID: 480-182978-16

Date Collected: 04/07/21 15:12

Matrix: Water

Date Received: 04/07/21 17:50

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		04/10/21 06:17	1
4-Bromofluorobenzene (Surr)	111		73 - 120		04/10/21 06:17	1
Toluene-d8 (Surr)	107		80 - 120		04/10/21 06:17	1
Dibromofluoromethane (Surr)	114		75 - 123		04/10/21 06:17	1

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	9.9		1.0	0.43	mg/L	—		04/11/21 23:24	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-182978-17

Date Collected: 04/07/21 07:00

Matrix: Water

Date Received: 04/07/21 17:50

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/10/21 06:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/10/21 06:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/10/21 06:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/10/21 06:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/10/21 06:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/10/21 06:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/10/21 06:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/10/21 06:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/10/21 06:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/10/21 06:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/10/21 06:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/10/21 06:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/10/21 06:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/10/21 06:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/10/21 06:41	1
2-Hexanone	ND		5.0	1.2	ug/L			04/10/21 06:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/10/21 06:41	1
Acetone	ND		10	3.0	ug/L			04/10/21 06:41	1
Benzene	ND		1.0	0.41	ug/L			04/10/21 06:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/10/21 06:41	1
Bromoform	ND		1.0	0.26	ug/L			04/10/21 06:41	1
Bromomethane	ND		1.0	0.69	ug/L			04/10/21 06:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/10/21 06:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/10/21 06:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/10/21 06:41	1
Chloroethane	ND		1.0	0.32	ug/L			04/10/21 06:41	1
Chloroform	ND		1.0	0.34	ug/L			04/10/21 06:41	1
Chloromethane	0.55	J	1.0	0.35	ug/L			04/10/21 06:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/10/21 06:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/10/21 06:41	1
Cyclohexane	ND		1.0	0.18	ug/L			04/10/21 06:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/10/21 06:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/10/21 06:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/21 06:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/10/21 06:41	1
Methyl acetate	ND		2.5	1.3	ug/L			04/10/21 06:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/10/21 06:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/10/21 06:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/10/21 06:41	1
Styrene	ND		1.0	0.73	ug/L			04/10/21 06:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/10/21 06:41	1
Toluene	ND		1.0	0.51	ug/L			04/10/21 06:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/10/21 06:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/10/21 06:41	1
Trichloroethene	ND		1.0	0.46	ug/L			04/10/21 06:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/10/21 06:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/10/21 06:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/21 06:41	1

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: Trip Blank

Lab Sample ID: 480-182978-17

Date Collected: 04/07/21 07:00

Matrix: Water

Date Received: 04/07/21 17:50

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		04/10/21 06:41	1
4-Bromofluorobenzene (Surr)	109		73 - 120		04/10/21 06:41	1
Toluene-d8 (Surr)	105		80 - 120		04/10/21 06:41	1
Dibromofluoromethane (Surr)	105		75 - 123		04/10/21 06:41	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-16S

Lab Sample ID: 480-183060-1

Date Collected: 04/09/21 06:30

Matrix: Ground Water

Date Received: 04/09/21 07:15

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*1	1000	820	ug/L			04/12/21 13:41	1000
1,1,2,2-Tetrachloroethane	ND		1000	210	ug/L			04/12/21 13:41	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310	ug/L			04/12/21 13:41	1000
1,1,2-Trichloroethane	ND		1000	230	ug/L			04/12/21 13:41	1000
1,1-Dichloroethane	440	J	1000	380	ug/L			04/12/21 13:41	1000
1,1-Dichloroethene	ND	*1	1000	290	ug/L			04/12/21 13:41	1000
1,2,4-Trichlorobenzene	ND		1000	410	ug/L			04/12/21 13:41	1000
1,2-Dibromo-3-Chloropropane	ND		1000	390	ug/L			04/12/21 13:41	1000
1,2-Dibromoethane	ND		1000	730	ug/L			04/12/21 13:41	1000
1,2-Dichlorobenzene	ND		1000	790	ug/L			04/12/21 13:41	1000
1,2-Dichloroethane	ND		1000	210	ug/L			04/12/21 13:41	1000
1,2-Dichloropropane	ND		1000	720	ug/L			04/12/21 13:41	1000
1,3-Dichlorobenzene	ND		1000	780	ug/L			04/12/21 13:41	1000
1,4-Dichlorobenzene	ND		1000	840	ug/L			04/12/21 13:41	1000
2-Butanone (MEK)	ND	*+	10000	1300	ug/L			04/12/21 13:41	1000
2-Hexanone	ND		5000	1200	ug/L			04/12/21 13:41	1000
4-Methyl-2-pentanone (MIBK)	ND		5000	2100	ug/L			04/12/21 13:41	1000
Acetone	ND		10000	3000	ug/L			04/12/21 13:41	1000
Benzene	ND	*1	1000	410	ug/L			04/12/21 13:41	1000
Bromodichloromethane	ND		1000	390	ug/L			04/12/21 13:41	1000
Bromoform	ND		1000	260	ug/L			04/12/21 13:41	1000
Bromomethane	ND		1000	690	ug/L			04/12/21 13:41	1000
Carbon disulfide	ND		1000	190	ug/L			04/12/21 13:41	1000
Carbon tetrachloride	ND	*1	1000	270	ug/L			04/12/21 13:41	1000
Chlorobenzene	ND		1000	750	ug/L			04/12/21 13:41	1000
Chloroethane	1300	*-	1000	320	ug/L			04/12/21 13:41	1000
Chloroform	ND		1000	340	ug/L			04/12/21 13:41	1000
Chloromethane	ND		1000	350	ug/L			04/12/21 13:41	1000
cis-1,2-Dichloroethene	57000		1000	810	ug/L			04/12/21 13:41	1000
cis-1,3-Dichloropropene	ND		1000	360	ug/L			04/12/21 13:41	1000
Cyclohexane	ND		1000	180	ug/L			04/12/21 13:41	1000
Dibromochloromethane	ND		1000	320	ug/L			04/12/21 13:41	1000
Dichlorodifluoromethane	ND		1000	680	ug/L			04/12/21 13:41	1000
Ethylbenzene	ND		1000	740	ug/L			04/12/21 13:41	1000
Isopropylbenzene	ND		1000	790	ug/L			04/12/21 13:41	1000
Methyl acetate	ND		2500	1300	ug/L			04/12/21 13:41	1000
Methyl tert-butyl ether	ND		1000	160	ug/L			04/12/21 13:41	1000
Methylcyclohexane	ND		1000	160	ug/L			04/12/21 13:41	1000
Methylene Chloride	ND		1000	440	ug/L			04/12/21 13:41	1000
Styrene	ND		1000	730	ug/L			04/12/21 13:41	1000
Tetrachloroethene	ND		1000	360	ug/L			04/12/21 13:41	1000
Toluene	640	J	1000	510	ug/L			04/12/21 13:41	1000
trans-1,2-Dichloroethene	ND		1000	900	ug/L			04/12/21 13:41	1000
trans-1,3-Dichloropropene	ND		1000	370	ug/L			04/12/21 13:41	1000
Trichloroethene	ND		1000	460	ug/L			04/12/21 13:41	1000
Trichlorofluoromethane	ND		1000	880	ug/L			04/12/21 13:41	1000
Vinyl chloride	71000	*1	1000	900	ug/L			04/12/21 13:41	1000
Xylenes, Total	ND		2000	660	ug/L			04/12/21 13:41	1000

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-16S

Date Collected: 04/09/21 06:30

Date Received: 04/09/21 07:15

Lab Sample ID: 480-183060-1

Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		04/12/21 13:41	1000
4-Bromofluorobenzene (Surr)	94		73 - 120		04/12/21 13:41	1000
Toluene-d8 (Surr)	104		80 - 120		04/12/21 13:41	1000
Dibromofluoromethane (Surr)	102		75 - 123		04/12/21 13:41	1000

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	89000		5000	4000	ug/L			04/13/21 21:40	1
Ethane	710	J	830	170	ug/L			04/12/21 05:19	110
Ethene	33000		770	170	ug/L			04/12/21 05:19	110
Methane	13000		440	110	ug/L			04/12/21 05:19	110

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	47.7		0.050	0.019	mg/L		04/12/21 13:53	04/13/21 19:45	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	3.6		0.050	0.019	mg/L		04/16/21 09:59	04/16/21 21:44	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.17		0.0030	0.00040	mg/L		04/15/21 08:09	04/15/21 18:03	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.17	B	0.0030	0.00040	mg/L		04/16/21 09:59	04/16/21 22:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	866		5.0	2.8	mg/L			04/13/21 22:39	10
Sulfate	17.9	J	20.0	3.5	mg/L			04/13/21 22:39	10
Alkalinity, Total	472		50.0	20.0	mg/L			04/12/21 23:01	5
Ammonia	0.11		0.020	0.0090	mg/L			04/12/21 10:52	1
Nitrate as N	ND		0.050	0.020	mg/L			04/09/21 15:02	1
Nitrite as N	ND		0.050	0.020	mg/L			04/09/21 15:02	1
Total Organic Carbon	204		4.0	1.7	mg/L			04/14/21 13:35	4
Ferric Iron	45.0		0.10	0.075	mg/L			04/20/21 22:59	1
Ferrous Iron	2.7	HF	0.10	0.075	mg/L			04/10/21 12:50	1
Sulfide	ND		1.0	0.67	mg/L			04/15/21 13:58	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-183060-2

Date Collected: 04/09/21 06:30

Matrix: Water

Date Received: 04/09/21 07:15

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*1	1.0	0.82	ug/L			04/12/21 14:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/12/21 14:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/12/21 14:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/12/21 14:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/12/21 14:03	1
1,1-Dichloroethene	ND	*1	1.0	0.29	ug/L			04/12/21 14:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/12/21 14:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/12/21 14:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/12/21 14:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/12/21 14:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/12/21 14:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/12/21 14:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/12/21 14:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/12/21 14:03	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			04/12/21 14:03	1
2-Hexanone	ND		5.0	1.2	ug/L			04/12/21 14:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/12/21 14:03	1
Acetone	ND		10	3.0	ug/L			04/12/21 14:03	1
Benzene	ND	*1	1.0	0.41	ug/L			04/12/21 14:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/12/21 14:03	1
Bromoform	ND		1.0	0.26	ug/L			04/12/21 14:03	1
Bromomethane	ND		1.0	0.69	ug/L			04/12/21 14:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/12/21 14:03	1
Carbon tetrachloride	ND	*1	1.0	0.27	ug/L			04/12/21 14:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/12/21 14:03	1
Chloroethane	ND	*-	1.0	0.32	ug/L			04/12/21 14:03	1
Chloroform	ND		1.0	0.34	ug/L			04/12/21 14:03	1
Chloromethane	ND		1.0	0.35	ug/L			04/12/21 14:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/12/21 14:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/12/21 14:03	1
Cyclohexane	ND		1.0	0.18	ug/L			04/12/21 14:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/12/21 14:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/12/21 14:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/12/21 14:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/12/21 14:03	1
Methyl acetate	ND		2.5	1.3	ug/L			04/12/21 14:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/12/21 14:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/12/21 14:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/12/21 14:03	1
Styrene	ND		1.0	0.73	ug/L			04/12/21 14:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/12/21 14:03	1
Toluene	ND		1.0	0.51	ug/L			04/12/21 14:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/12/21 14:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/12/21 14:03	1
Trichloroethene	ND		1.0	0.46	ug/L			04/12/21 14:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/12/21 14:03	1
Vinyl chloride	ND	*1	1.0	0.90	ug/L			04/12/21 14:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/12/21 14:03	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-183060-2

Date Collected: 04/09/21 06:30

Matrix: Water

Date Received: 04/09/21 07:15

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		04/12/21 14:03	1
4-Bromofluorobenzene (Surr)	97		73 - 120		04/12/21 14:03	1
Toluene-d8 (Surr)	99		80 - 120		04/12/21 14:03	1
Dibromofluoromethane (Surr)	98		75 - 123		04/12/21 14:03	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-4

Date Collected: 04/08/21 09:40

Date Received: 04/08/21 15:45

Lab Sample ID: 480-183062-1

Matrix: Ground Water

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	43000		5000	4000	ug/L			04/13/21 21:31	1
Ethane	500	J	660	130	ug/L			04/12/21 05:00	88
Ethene	810		620	130	ug/L			04/12/21 05:00	88
Methane	19000		350	88	ug/L			04/12/21 05:00	88

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	16.3		0.050	0.019	mg/L		04/12/21 13:53	04/13/21 20:24	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.7		0.050	0.019	mg/L		04/16/21 09:59	04/16/21 21:48	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.064		0.0030	0.00040	mg/L		04/15/21 08:09	04/15/21 18:07	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.042	B	0.0030	0.00040	mg/L		04/16/21 09:59	04/16/21 22:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	494		5.0	2.8	mg/L			04/13/21 22:54	10
Sulfate	7.5	J	20.0	3.5	mg/L			04/13/21 22:54	10
Alkalinity, Total	828		150	60.0	mg/L			04/12/21 23:28	15
Ammonia	0.38		0.020	0.0090	mg/L			04/12/21 10:53	1
Nitrate as N	ND		0.050	0.020	mg/L			04/09/21 15:03	1
Nitrite as N	ND		0.050	0.020	mg/L			04/09/21 15:03	1
Total Organic Carbon	15.3		1.0	0.43	mg/L			04/16/21 07:43	1
Ferric Iron	16.2		0.10	0.075	mg/L			04/17/21 23:22	1
Ferrous Iron	0.12	HF	0.10	0.075	mg/L			04/10/21 12:50	1
Sulfide	1.6		1.0	0.67	mg/L			04/14/21 11:38	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-4

Lab Sample ID: 480-183063-1

Date Collected: 04/08/21 09:46

Matrix: Water

Date Received: 04/08/21 15:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			04/12/21 02:10	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			04/12/21 02:10	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			04/12/21 02:10	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			04/12/21 02:10	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			04/12/21 02:10	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			04/12/21 02:10	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			04/12/21 02:10	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			04/12/21 02:10	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			04/12/21 02:10	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			04/12/21 02:10	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			04/12/21 02:10	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			04/12/21 02:10	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			04/12/21 02:10	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			04/12/21 02:10	4
2-Butanone (MEK)	ND		40	5.3	ug/L			04/12/21 02:10	4
2-Hexanone	ND		20	5.0	ug/L			04/12/21 02:10	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			04/12/21 02:10	4
Acetone	ND		40	12	ug/L			04/12/21 02:10	4
Benzene	ND		4.0	1.6	ug/L			04/12/21 02:10	4
Bromodichloromethane	ND		4.0	1.6	ug/L			04/12/21 02:10	4
Bromoform	ND		4.0	1.0	ug/L			04/12/21 02:10	4
Bromomethane	ND		4.0	2.8	ug/L			04/12/21 02:10	4
Carbon disulfide	ND		4.0	0.76	ug/L			04/12/21 02:10	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			04/12/21 02:10	4
Chlorobenzene	ND		4.0	3.0	ug/L			04/12/21 02:10	4
Chloroethane	92		4.0	1.3	ug/L			04/12/21 02:10	4
Chloroform	ND		4.0	1.4	ug/L			04/12/21 02:10	4
Chloromethane	ND		4.0	1.4	ug/L			04/12/21 02:10	4
cis-1,2-Dichloroethene	5.0		4.0	3.2	ug/L			04/12/21 02:10	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			04/12/21 02:10	4
Cyclohexane	ND		4.0	0.72	ug/L			04/12/21 02:10	4
Dibromochloromethane	ND		4.0	1.3	ug/L			04/12/21 02:10	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			04/12/21 02:10	4
Ethylbenzene	ND		4.0	3.0	ug/L			04/12/21 02:10	4
Isopropylbenzene	ND		4.0	3.2	ug/L			04/12/21 02:10	4
Methyl acetate	ND		10	5.2	ug/L			04/12/21 02:10	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			04/12/21 02:10	4
Methylcyclohexane	ND		4.0	0.64	ug/L			04/12/21 02:10	4
Methylene Chloride	ND		4.0	1.8	ug/L			04/12/21 02:10	4
Styrene	ND		4.0	2.9	ug/L			04/12/21 02:10	4
Tetrachloroethene	ND		4.0	1.4	ug/L			04/12/21 02:10	4
Toluene	3.3 J		4.0	2.0	ug/L			04/12/21 02:10	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			04/12/21 02:10	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			04/12/21 02:10	4
Trichloroethene	ND		4.0	1.8	ug/L			04/12/21 02:10	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			04/12/21 02:10	4
Vinyl chloride	3.7 J		4.0	3.6	ug/L			04/12/21 02:10	4
Xylenes, Total	ND		8.0	2.6	ug/L			04/12/21 02:10	4

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-4

Lab Sample ID: 480-183063-1

Date Collected: 04/08/21 09:46

Matrix: Water

Date Received: 04/08/21 15:45

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		04/12/21 02:10	4
4-Bromofluorobenzene (Surr)	108		73 - 120		04/12/21 02:10	4
Toluene-d8 (Surr)	103		80 - 120		04/12/21 02:10	4
Dibromofluoromethane (Surr)	103		75 - 123		04/12/21 02:10	4

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	21.2		1.0	0.43	mg/L	—		04/16/21 08:11	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-15S

Lab Sample ID: 480-183063-2

Date Collected: 04/08/21 11:36

Matrix: Water

Date Received: 04/08/21 15:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			04/12/21 02:34	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			04/12/21 02:34	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/12/21 02:34	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/12/21 02:34	20
1,1-Dichloroethane	330		20	7.6	ug/L			04/12/21 02:34	20
1,1-Dichloroethene	6.6	J	20	5.8	ug/L			04/12/21 02:34	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/12/21 02:34	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/12/21 02:34	20
1,2-Dibromoethane	ND		20	15	ug/L			04/12/21 02:34	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/12/21 02:34	20
1,2-Dichloroethane	ND		20	4.2	ug/L			04/12/21 02:34	20
1,2-Dichloropropane	ND		20	14	ug/L			04/12/21 02:34	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/12/21 02:34	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/12/21 02:34	20
2-Butanone (MEK)	ND		200	26	ug/L			04/12/21 02:34	20
2-Hexanone	ND		100	25	ug/L			04/12/21 02:34	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/12/21 02:34	20
Acetone	ND		200	60	ug/L			04/12/21 02:34	20
Benzene	ND		20	8.2	ug/L			04/12/21 02:34	20
Bromodichloromethane	ND		20	7.8	ug/L			04/12/21 02:34	20
Bromoform	ND		20	5.2	ug/L			04/12/21 02:34	20
Bromomethane	ND		20	14	ug/L			04/12/21 02:34	20
Carbon disulfide	ND		20	3.8	ug/L			04/12/21 02:34	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/12/21 02:34	20
Chlorobenzene	ND		20	15	ug/L			04/12/21 02:34	20
Chloroethane	190		20	6.4	ug/L			04/12/21 02:34	20
Chloroform	ND		20	6.8	ug/L			04/12/21 02:34	20
Chloromethane	ND		20	7.0	ug/L			04/12/21 02:34	20
cis-1,2-Dichloroethene	500		20	16	ug/L			04/12/21 02:34	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/12/21 02:34	20
Cyclohexane	ND		20	3.6	ug/L			04/12/21 02:34	20
Dibromochloromethane	ND		20	6.4	ug/L			04/12/21 02:34	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/12/21 02:34	20
Ethylbenzene	ND		20	15	ug/L			04/12/21 02:34	20
Isopropylbenzene	ND		20	16	ug/L			04/12/21 02:34	20
Methyl acetate	ND		50	26	ug/L			04/12/21 02:34	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/12/21 02:34	20
Methylcyclohexane	ND		20	3.2	ug/L			04/12/21 02:34	20
Methylene Chloride	ND		20	8.8	ug/L			04/12/21 02:34	20
Styrene	ND		20	15	ug/L			04/12/21 02:34	20
Tetrachloroethene	ND		20	7.2	ug/L			04/12/21 02:34	20
Toluene	170		20	10	ug/L			04/12/21 02:34	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/12/21 02:34	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/12/21 02:34	20
Trichloroethene	58		20	9.2	ug/L			04/12/21 02:34	20
Trichlorofluoromethane	ND		20	18	ug/L			04/12/21 02:34	20
Vinyl chloride	100		20	18	ug/L			04/12/21 02:34	20
Xylenes, Total	45		40	13	ug/L			04/12/21 02:34	20

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-15S

Lab Sample ID: 480-183063-2

Date Collected: 04/08/21 11:36

Matrix: Water

Date Received: 04/08/21 15:45

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		04/12/21 02:34	20
4-Bromofluorobenzene (Surr)	105		73 - 120		04/12/21 02:34	20
Toluene-d8 (Surr)	101		80 - 120		04/12/21 02:34	20
Dibromofluoromethane (Surr)	110		75 - 123		04/12/21 02:34	20

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	218		5.0	2.2	mg/L			04/14/21 15:32	5

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-15D

Lab Sample ID: 480-183063-3

Date Collected: 04/08/21 13:20

Matrix: Water

Date Received: 04/08/21 15:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			04/12/21 02:57	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			04/12/21 02:57	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			04/12/21 02:57	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			04/12/21 02:57	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			04/12/21 02:57	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			04/12/21 02:57	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			04/12/21 02:57	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			04/12/21 02:57	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			04/12/21 02:57	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			04/12/21 02:57	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			04/12/21 02:57	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			04/12/21 02:57	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			04/12/21 02:57	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			04/12/21 02:57	2
2-Butanone (MEK)	ND		20	2.6	ug/L			04/12/21 02:57	2
2-Hexanone	ND		10	2.5	ug/L			04/12/21 02:57	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			04/12/21 02:57	2
Acetone	ND		20	6.0	ug/L			04/12/21 02:57	2
Benzene	ND		2.0	0.82	ug/L			04/12/21 02:57	2
Bromodichloromethane	ND		2.0	0.78	ug/L			04/12/21 02:57	2
Bromoform	ND		2.0	0.52	ug/L			04/12/21 02:57	2
Bromomethane	ND		2.0	1.4	ug/L			04/12/21 02:57	2
Carbon disulfide	ND		2.0	0.38	ug/L			04/12/21 02:57	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			04/12/21 02:57	2
Chlorobenzene	ND		2.0	1.5	ug/L			04/12/21 02:57	2
Chloroethane	110		2.0	0.64	ug/L			04/12/21 02:57	2
Chloroform	ND		2.0	0.68	ug/L			04/12/21 02:57	2
Chloromethane	ND		2.0	0.70	ug/L			04/12/21 02:57	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			04/12/21 02:57	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			04/12/21 02:57	2
Cyclohexane	ND		2.0	0.36	ug/L			04/12/21 02:57	2
Dibromochloromethane	ND		2.0	0.64	ug/L			04/12/21 02:57	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			04/12/21 02:57	2
Ethylbenzene	ND		2.0	1.5	ug/L			04/12/21 02:57	2
Isopropylbenzene	ND		2.0	1.6	ug/L			04/12/21 02:57	2
Methyl acetate	ND		5.0	2.6	ug/L			04/12/21 02:57	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			04/12/21 02:57	2
Methylcyclohexane	ND		2.0	0.32	ug/L			04/12/21 02:57	2
Methylene Chloride	ND		2.0	0.88	ug/L			04/12/21 02:57	2
Styrene	ND		2.0	1.5	ug/L			04/12/21 02:57	2
Tetrachloroethene	ND		2.0	0.72	ug/L			04/12/21 02:57	2
Toluene	ND		2.0	1.0	ug/L			04/12/21 02:57	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			04/12/21 02:57	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			04/12/21 02:57	2
Trichloroethene	ND		2.0	0.92	ug/L			04/12/21 02:57	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			04/12/21 02:57	2
Vinyl chloride	ND		2.0	1.8	ug/L			04/12/21 02:57	2
Xylenes, Total	ND		4.0	1.3	ug/L			04/12/21 02:57	2

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: MW-15D

Lab Sample ID: 480-183063-3

Date Collected: 04/08/21 13:20

Matrix: Water

Date Received: 04/08/21 15:45

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		04/12/21 02:57	2
4-Bromofluorobenzene (Surr)	104		73 - 120		04/12/21 02:57	2
Toluene-d8 (Surr)	104		80 - 120		04/12/21 02:57	2
Dibromofluoromethane (Surr)	106		75 - 123		04/12/21 02:57	2

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Total Organic Carbon	1.9		1.0	0.43	mg/L	—		04/14/21 16:01	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-183063-4

Date Collected: 04/08/21 00:00

Matrix: Water

Date Received: 04/08/21 15:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/12/21 03:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/12/21 03:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/12/21 03:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/12/21 03:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/12/21 03:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/12/21 03:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/12/21 03:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/12/21 03:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/12/21 03:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/12/21 03:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/12/21 03:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/12/21 03:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/12/21 03:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/12/21 03:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/12/21 03:21	1
2-Hexanone	ND		5.0	1.2	ug/L			04/12/21 03:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/12/21 03:21	1
Acetone	ND		10	3.0	ug/L			04/12/21 03:21	1
Benzene	ND		1.0	0.41	ug/L			04/12/21 03:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/12/21 03:21	1
Bromoform	ND		1.0	0.26	ug/L			04/12/21 03:21	1
Bromomethane	ND		1.0	0.69	ug/L			04/12/21 03:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/12/21 03:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/12/21 03:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/12/21 03:21	1
Chloroethane	ND		1.0	0.32	ug/L			04/12/21 03:21	1
Chloroform	ND		1.0	0.34	ug/L			04/12/21 03:21	1
Chloromethane	ND		1.0	0.35	ug/L			04/12/21 03:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/12/21 03:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/12/21 03:21	1
Cyclohexane	ND		1.0	0.18	ug/L			04/12/21 03:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/12/21 03:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/12/21 03:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/12/21 03:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/12/21 03:21	1
Methyl acetate	ND		2.5	1.3	ug/L			04/12/21 03:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/12/21 03:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/12/21 03:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/12/21 03:21	1
Styrene	ND		1.0	0.73	ug/L			04/12/21 03:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/12/21 03:21	1
Toluene	ND		1.0	0.51	ug/L			04/12/21 03:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/12/21 03:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/12/21 03:21	1
Trichloroethene	ND		1.0	0.46	ug/L			04/12/21 03:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/12/21 03:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/12/21 03:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/12/21 03:21	1

Client Sample Results

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: Trip Blank

Lab Sample ID: 480-183063-4

Date Collected: 04/08/21 00:00

Matrix: Water

Date Received: 04/08/21 15:45

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		04/12/21 03:21	1
4-Bromofluorobenzene (Surr)	106		73 - 120		04/12/21 03:21	1
Toluene-d8 (Surr)	106		80 - 120		04/12/21 03:21	1
Dibromofluoromethane (Surr)	105		75 - 123		04/12/21 03:21	1

Surrogate Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-182887-1	MW-2	105	110	107	101
480-182887-2	MW-9	105	109	109	105
480-182887-5	MW-3	103	113	110	100
480-183060-1	MW-16S	105	94	104	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-182886-1	MW-11	99	111	99	108
480-182887-4	Duplicate	104	111	108	105
480-182887-6	Trip Blank	105	113	111	103
480-182978-1	MW-8R	101	108	102	101
480-182978-2	MW-13S	103	107	103	102
480-182978-3	MW-13D	107	110	108	112
480-182978-4	MW-16D	101	110	104	104
480-182978-5	DPE-1	104	110	107	104
480-182978-6	DPE-2	110	112	105	111
480-182978-7	DPE-3	101	111	105	101
480-182978-8	DPE-4	106	110	105	107
480-182978-9	DPE-5	105	111	106	104
480-182978-10	DPE-6	104	111	104	100
480-182978-11	DPE-7	101	108	105	106
480-182978-11 - DL	DPE-7	103	100	104	102
480-182978-12	DPE-8	106	106	106	114
480-182978-12 MS	DPE-8	104	108	107	105
480-182978-12 MSD	DPE-8	103	109	108	106
480-182978-13	GWCT	100	109	106	102
480-182978-14	Rinse Blank	100	106	105	105
480-182978-15	MW-14S	99	111	102	102
480-182978-16	MW-14D	107	111	107	114
480-182978-17	Trip Blank	103	109	105	105
480-183060-2	Trip Blank	102	97	99	98
480-183063-1	MW-4	102	108	103	103
480-183063-2	MW-15S	109	105	101	110
480-183063-3	MW-15D	106	104	104	106
480-183063-4	Trip Blank	105	106	106	105
LCS 480-575417/6	Lab Control Sample	99	108	106	99
LCS 480-575807/6	Lab Control Sample	99	110	107	103
LCS 480-575880/5	Lab Control Sample	104	111	109	107
LCS 480-575912/4	Lab Control Sample	100	103	105	102
LCS 480-575941/5	Lab Control Sample	96	110	105	98

Surrogate Summary

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
LCS 480-576581/5	Lab Control Sample	105	116	101	110
LCSD 480-575941/6	Lab Control Sample Dup	94	97	102	95
MB 480-575417/8	Method Blank	98	107	104	96
MB 480-575807/8	Method Blank	100	106	105	101
MB 480-575880/7	Method Blank	104	107	105	105
MB 480-575912/6	Method Blank	106	106	102	108
MB 480-575941/8	Method Blank	105	109	106	100
MB 480-576581/7	Method Blank	102	108	102	105

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-575417/8

Matrix: Water

Analysis Batch: 575417

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/21 23:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/21 23:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/21 23:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/21 23:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/21 23:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/21 23:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/21 23:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/21 23:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/21 23:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/21 23:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/21 23:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/21 23:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/21 23:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/21 23:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/21 23:47	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/21 23:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/21 23:47	1
Acetone	ND		10	3.0	ug/L			04/07/21 23:47	1
Benzene	ND		1.0	0.41	ug/L			04/07/21 23:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/21 23:47	1
Bromoform	ND		1.0	0.26	ug/L			04/07/21 23:47	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/21 23:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/21 23:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/21 23:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/21 23:47	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/21 23:47	1
Chloroform	ND		1.0	0.34	ug/L			04/07/21 23:47	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/21 23:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/21 23:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/21 23:47	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/21 23:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/21 23:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/21 23:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/21 23:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/21 23:47	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/21 23:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/21 23:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/21 23:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/21 23:47	1
Styrene	ND		1.0	0.73	ug/L			04/07/21 23:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/07/21 23:47	1
Toluene	ND		1.0	0.51	ug/L			04/07/21 23:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/21 23:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/21 23:47	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/21 23:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/21 23:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/21 23:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/21 23:47	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-575417/8

Matrix: Water

Analysis Batch: 575417

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		00 - 12/		/ 48 0821 23:40	1
4-Bromofluorobenzene (Surr)	1/ 0		03 - 12/		/ 48 0821 23:40	1
Toluene-d7 (Surr)	1/ 4		7/ - 12/		/ 48 0821 23:40	1
Dibromofluoromethane (Surr)	98		05 - 123		/ 48 0821 23:40	1

Lab Sample ID: LCS 480-575417/6

Matrix: Water

Analysis Batch: 575417

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.9		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.2		ug/L		105	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.2		ug/L		101	61 - 148
1,1,2-Trichloroethane	25.0	26.3		ug/L		105	76 - 122
1,1-Dichloroethane	25.0	24.6		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	24.2		ug/L		97	66 - 127
1,2,4-Trichlorobenzene	25.0	28.2		ug/L		113	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.2		ug/L		97	56 - 134
1,2-Dibromoethane	25.0	26.3		ug/L		105	77 - 120
1,2-Dichlorobenzene	25.0	27.6		ug/L		110	80 - 124
1,2-Dichloroethane	25.0	24.2		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	25.4		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	27.9		ug/L		112	77 - 120
1,4-Dichlorobenzene	25.0	27.5		ug/L		110	80 - 120
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
2-Hexanone	125	145		ug/L		116	65 - 127
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		106	71 - 125
Acetone	125	132		ug/L		106	56 - 142
Benzene	25.0	24.5		ug/L		98	71 - 124
Bromodichloromethane	25.0	24.2		ug/L		97	80 - 122
Bromoform	25.0	26.3		ug/L		105	61 - 132
Bromomethane	25.0	23.0		ug/L		92	55 - 144
Carbon disulfide	25.0	22.8		ug/L		91	59 - 134
Carbon tetrachloride	25.0	24.6		ug/L		98	72 - 134
Chlorobenzene	25.0	26.4		ug/L		106	80 - 120
Chloroethane	25.0	23.2		ug/L		93	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	27.6		ug/L		110	68 - 124
cis-1,2-Dichloroethene	25.0	23.6		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	74 - 124
Cyclohexane	25.0	25.4		ug/L		102	59 - 135
Dibromochloromethane	25.0	26.5		ug/L		106	75 - 125
Dichlorodifluoromethane	25.0	27.2		ug/L		109	59 - 135
Ethylbenzene	25.0	26.2		ug/L		105	77 - 123
Isopropylbenzene	25.0	27.5		ug/L		110	77 - 122
Methyl acetate	50.0	49.4		ug/L		99	74 - 133
Methyl tert-butyl ether	25.0	24.4		ug/L		98	77 - 120
Methylcyclohexane	25.0	25.0		ug/L		100	68 - 134

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-575417/6

Matrix: Water

Analysis Batch: 575417

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	23.4		ug/L		94	75 - 124
Styrene	25.0	26.0		ug/L		104	80 - 120
Tetrachloroethene	25.0	27.1		ug/L		109	74 - 122
Toluene	25.0	26.6		ug/L		107	80 - 122
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	25.6		ug/L		103	80 - 120
Trichloroethene	25.0	25.2		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	27.0		ug/L		108	62 - 150
Vinyl chloride	25.0	27.3		ug/L		109	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		00 - 12/
4-Bromofluorobenzene (Surr)	1/ 7		03 - 12/
Toluene-d7 (Surr)	1/ 8		7/ - 12/
Dibromofluoromethane (Surr)	99		05 - 123

Lab Sample ID: MB 480-575807/8

Matrix: Water

Analysis Batch: 575807

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/09/21 23:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/09/21 23:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/09/21 23:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/09/21 23:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/09/21 23:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/09/21 23:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/09/21 23:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/09/21 23:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/09/21 23:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/09/21 23:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/09/21 23:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/09/21 23:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/09/21 23:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/09/21 23:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/09/21 23:28	1
2-Hexanone	ND		5.0	1.2	ug/L			04/09/21 23:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/09/21 23:28	1
Acetone	ND		10	3.0	ug/L			04/09/21 23:28	1
Benzene	ND		1.0	0.41	ug/L			04/09/21 23:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/09/21 23:28	1
Bromoform	ND		1.0	0.26	ug/L			04/09/21 23:28	1
Bromomethane	ND		1.0	0.69	ug/L			04/09/21 23:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/09/21 23:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/09/21 23:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/09/21 23:28	1
Chloroethane	ND		1.0	0.32	ug/L			04/09/21 23:28	1
Chloroform	ND		1.0	0.34	ug/L			04/09/21 23:28	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-575807/8

Matrix: Water

Analysis Batch: 575807

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			04/09/21 23:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/09/21 23:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/09/21 23:28	1
Cyclohexane	ND		1.0	0.18	ug/L			04/09/21 23:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/09/21 23:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/09/21 23:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/09/21 23:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/09/21 23:28	1
Methyl acetate	ND		2.5	1.3	ug/L			04/09/21 23:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/09/21 23:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/09/21 23:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/09/21 23:28	1
Styrene	ND		1.0	0.73	ug/L			04/09/21 23:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/09/21 23:28	1
Toluene	ND		1.0	0.51	ug/L			04/09/21 23:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/09/21 23:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/09/21 23:28	1
Trichloroethene	ND		1.0	0.46	ug/L			04/09/21 23:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/09/21 23:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/09/21 23:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/09/21 23:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	1/1		00 - 12/		04/09/21 23:27	1
4-Bromofluorobenzene (Surr)	1/8		03 - 12/		04/09/21 23:27	1
Toluene-d7 (Surr)	1/5		7/ - 12/		04/09/21 23:27	1
Dibromofluoromethane (Surr)	1/1		05 - 123		04/09/21 23:27	1

Lab Sample ID: LCS 480-575807/6

Matrix: Water

Analysis Batch: 575807

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.3		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.9		ug/L		112	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.6		ug/L		106	61 - 148
1,1,2-Trichloroethane	25.0	26.2		ug/L		105	76 - 122
1,1-Dichloroethane	25.0	26.8		ug/L		107	77 - 120
1,1-Dichloroethene	25.0	27.5		ug/L		110	66 - 127
1,2,4-Trichlorobenzene	25.0	29.4		ug/L		118	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.2		ug/L		97	56 - 134
1,2-Dibromoethane	25.0	28.0		ug/L		112	77 - 120
1,2-Dichlorobenzene	25.0	28.5		ug/L		114	80 - 124
1,2-Dichloroethane	25.0	26.2		ug/L		105	75 - 120
1,2-Dichloropropane	25.0	25.8		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	29.1		ug/L		116	77 - 120
1,4-Dichlorobenzene	25.0	28.7		ug/L		115	80 - 120
2-Butanone (MEK)	125	125		ug/L		100	57 - 140

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-575807/6

Matrix: Water

Analysis Batch: 575807

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	125	132		ug/L		106	65 - 127
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	126		ug/L		101	56 - 142
Benzene	25.0	25.9		ug/L		104	71 - 124
Bromodichloromethane	25.0	25.3		ug/L		101	80 - 122
Bromoform	25.0	28.0		ug/L		112	61 - 132
Bromomethane	25.0	27.5		ug/L		110	55 - 144
Carbon disulfide	25.0	25.7		ug/L		103	59 - 134
Carbon tetrachloride	25.0	27.0		ug/L		108	72 - 134
Chlorobenzene	25.0	28.2		ug/L		113	80 - 120
Chloroethane	25.0	23.6		ug/L		94	69 - 136
Chloroform	25.0	26.1		ug/L		104	73 - 127
Chloromethane	25.0	28.9		ug/L		116	68 - 124
cis-1,2-Dichloroethene	25.0	27.4		ug/L		109	74 - 124
cis-1,3-Dichloropropene	25.0	25.2		ug/L		101	74 - 124
Cyclohexane	25.0	26.1		ug/L		105	59 - 135
Dibromochloromethane	25.0	28.1		ug/L		112	75 - 125
Dichlorodifluoromethane	25.0	28.1		ug/L		112	59 - 135
Ethylbenzene	25.0	27.8		ug/L		111	77 - 123
Isopropylbenzene	25.0	28.5		ug/L		114	77 - 122
Methyl acetate	50.0	51.1		ug/L		102	74 - 133
Methyl tert-butyl ether	25.0	26.0		ug/L		104	77 - 120
Methylcyclohexane	25.0	25.8		ug/L		103	68 - 134
Methylene Chloride	25.0	27.3		ug/L		109	75 - 124
Styrene	25.0	27.9		ug/L		112	80 - 120
Tetrachloroethene	25.0	29.3		ug/L		117	74 - 122
Toluene	25.0	28.6		ug/L		115	80 - 122
trans-1,2-Dichloroethene	25.0	27.6		ug/L		110	73 - 127
trans-1,3-Dichloropropene	25.0	27.0		ug/L		108	80 - 120
Trichloroethene	25.0	27.1		ug/L		109	74 - 123
Trichlorofluoromethane	25.0	27.9		ug/L		112	62 - 150
Vinyl chloride	25.0	28.0		ug/L		112	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		00 - 12/
4-Bromofluorobenzene (Surr)	11/		03 - 12/
Toluene-d7 (Surr)	1/ 0		7/ - 12/
Dibromofluoromethane (Surr)	1/ 3		05 - 123

Lab Sample ID: MB 480-575880/7

Matrix: Water

Analysis Batch: 575880

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/11/21 10:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/11/21 10:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/11/21 10:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/11/21 10:29	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-575880/7

Matrix: Water

Analysis Batch: 575880

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/11/21 10:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/11/21 10:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/11/21 10:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/11/21 10:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/11/21 10:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/11/21 10:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/11/21 10:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/11/21 10:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/11/21 10:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/11/21 10:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/11/21 10:29	1
2-Hexanone	ND		5.0	1.2	ug/L			04/11/21 10:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/11/21 10:29	1
Acetone	ND		10	3.0	ug/L			04/11/21 10:29	1
Benzene	ND		1.0	0.41	ug/L			04/11/21 10:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/11/21 10:29	1
Bromoform	ND		1.0	0.26	ug/L			04/11/21 10:29	1
Bromomethane	ND		1.0	0.69	ug/L			04/11/21 10:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/11/21 10:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/11/21 10:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/11/21 10:29	1
Chloroethane	ND		1.0	0.32	ug/L			04/11/21 10:29	1
Chloroform	ND		1.0	0.34	ug/L			04/11/21 10:29	1
Chloromethane	ND		1.0	0.35	ug/L			04/11/21 10:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/11/21 10:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/11/21 10:29	1
Cyclohexane	ND		1.0	0.18	ug/L			04/11/21 10:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/11/21 10:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/11/21 10:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/21 10:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/11/21 10:29	1
Methyl acetate	ND		2.5	1.3	ug/L			04/11/21 10:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/11/21 10:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/11/21 10:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/11/21 10:29	1
Styrene	ND		1.0	0.73	ug/L			04/11/21 10:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/11/21 10:29	1
Toluene	ND		1.0	0.51	ug/L			04/11/21 10:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/11/21 10:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/11/21 10:29	1
Trichloroethene	ND		1.0	0.46	ug/L			04/11/21 10:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/11/21 10:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/11/21 10:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/21 10:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	1/4		00 - 12/		04/11/21 10:29	1
4-Bromofluorobenzene (Surr)	1/0		03 - 12/		04/11/21 10:29	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-575880/7

Matrix: Water

Analysis Batch: 575880

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Toluene-d7 (Surr)	%Recovery	Qualifier				
	1/5		7/ - 12/		/ 461621 1/ :29	1
Dibromofluoromethane (Surr)	1/5		05 - 123		/ 461621 1/ :29	1

Lab Sample ID: LCS 480-575880/5

Matrix: Water

Analysis Batch: 575880

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.1		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.3		ug/L		109	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.0		ug/L		100	61 - 148
1,1,2-Trichloroethane	25.0	27.0		ug/L		108	76 - 122
1,1-Dichloroethane	25.0	25.0		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	24.2		ug/L		97	66 - 127
1,2,4-Trichlorobenzene	25.0	28.3		ug/L		113	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.2		ug/L		93	56 - 134
1,2-Dibromoethane	25.0	26.9		ug/L		108	77 - 120
1,2-Dichlorobenzene	25.0	28.7		ug/L		115	80 - 124
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	26.4		ug/L		106	76 - 120
1,3-Dichlorobenzene	25.0	29.4		ug/L		117	77 - 120
1,4-Dichlorobenzene	25.0	28.5		ug/L		114	80 - 120
2-Butanone (MEK)	125	131		ug/L		105	57 - 140
2-Hexanone	125	135		ug/L		108	65 - 127
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		100	71 - 125
Acetone	125	126		ug/L		101	56 - 142
Benzene	25.0	25.4		ug/L		101	71 - 124
Bromodichloromethane	25.0	25.4		ug/L		102	80 - 122
Bromoform	25.0	26.8		ug/L		107	61 - 132
Bromomethane	25.0	27.0		ug/L		108	55 - 144
Carbon disulfide	25.0	22.8		ug/L		91	59 - 134
Carbon tetrachloride	25.0	24.7		ug/L		99	72 - 134
Chlorobenzene	25.0	26.6		ug/L		106	80 - 120
Chloroethane	25.0	25.2		ug/L		101	69 - 136
Chloroform	25.0	25.4		ug/L		102	73 - 127
Chloromethane	25.0	30.6		ug/L		122	68 - 124
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	74 - 124
Cyclohexane	25.0	24.7		ug/L		99	59 - 135
Dibromochloromethane	25.0	27.7		ug/L		111	75 - 125
Dichlorodifluoromethane	25.0	31.5		ug/L		126	59 - 135
Ethylbenzene	25.0	26.1		ug/L		104	77 - 123
Isopropylbenzene	25.0	27.1		ug/L		108	77 - 122
Methyl acetate	50.0	51.7		ug/L		103	74 - 133
Methyl tert-butyl ether	25.0	24.8		ug/L		99	77 - 120
Methylcyclohexane	25.0	24.7		ug/L		99	68 - 134
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124
Styrene	25.0	26.5		ug/L		106	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-575880/5

Matrix: Water

Analysis Batch: 575880

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	25.0	27.1		ug/L		108	74 - 122
Toluene	25.0	26.6		ug/L		106	80 - 122
trans-1,2-Dichloroethene	25.0	25.3		ug/L		101	73 - 127
trans-1,3-Dichloropropene	25.0	27.2		ug/L		109	80 - 120
Trichloroethene	25.0	24.6		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	29.4		ug/L		118	62 - 150
Vinyl chloride	25.0	30.7		ug/L		123	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	1/ 4		00 - 12/
4-Bromofluorobenzene (Surr)	111		03 - 12/
Toluene-d7 (Surr)	1/ 9		7/ - 12/
Dibromofluoromethane (Surr)	1/ 0		05 - 123

Lab Sample ID: 480-182978-12 MS

Matrix: Water

Analysis Batch: 575880

Client Sample ID: DPE-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	130		2500	2620		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	ND		2500	2480		ug/L		99	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2500	2610		ug/L		104	61 - 148
1,1,2-Trichloroethane	ND		2500	2470		ug/L		99	76 - 122
1,1-Dichloroethane	73 J		2500	2460		ug/L		95	77 - 120
1,1-Dichloroethene	ND		2500	2620		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	ND		2500	2610		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	ND		2500	2120		ug/L		85	56 - 134
1,2-Dibromoethane	ND		2500	2420		ug/L		97	77 - 120
1,2-Dichlorobenzene	ND		2500	2610		ug/L		104	80 - 124
1,2-Dichloroethane	ND		2500	2360		ug/L		94	75 - 120
1,2-Dichloropropane	ND		2500	2440		ug/L		98	76 - 120
1,3-Dichlorobenzene	ND		2500	2580		ug/L		103	77 - 120
1,4-Dichlorobenzene	ND		2500	2560		ug/L		102	78 - 124
2-Butanone (MEK)	ND		12500	12500		ug/L		100	57 - 140
2-Hexanone	ND		12500	12300		ug/L		98	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		12500	12000		ug/L		96	71 - 125
Acetone	ND		12500	11800		ug/L		95	56 - 142
Benzene	ND		2500	2380		ug/L		95	71 - 124
Bromodichloromethane	ND		2500	2280		ug/L		91	80 - 122
Bromoform	ND		2500	2350		ug/L		94	61 - 132
Bromomethane	ND		2500	2720		ug/L		109	55 - 144
Carbon disulfide	ND		2500	2360		ug/L		94	59 - 134
Carbon tetrachloride	ND		2500	2560		ug/L		102	72 - 134
Chlorobenzene	ND		2500	2490		ug/L		99	80 - 120
Chloroethane	ND		2500	2360		ug/L		94	69 - 136
Chloroform	ND		2500	2430		ug/L		97	73 - 127
Chloromethane	ND		2500	2840		ug/L		114	68 - 124
cis-1,2-Dichloroethene	4800 F1		2500	6710		ug/L		75	74 - 124

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QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-182978-12 MS

Matrix: Water

Analysis Batch: 575880

Client Sample ID: DPE-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	ND		2500	2230		ug/L		89	74 - 124
Cyclohexane	ND		2500	2630		ug/L		105	59 - 135
Dibromochloromethane	ND		2500	2380		ug/L		95	75 - 125
Dichlorodifluoromethane	ND		2500	2980		ug/L		119	59 - 135
Ethylbenzene	ND		2500	2460		ug/L		98	77 - 123
Isopropylbenzene	ND		2500	2560		ug/L		102	77 - 122
Methyl acetate	ND		5000	4760		ug/L		95	74 - 133
Methyl tert-butyl ether	ND		2500	2250		ug/L		90	77 - 120
Methylcyclohexane	ND		2500	2520		ug/L		101	68 - 134
Methylene Chloride	ND		2500	2340		ug/L		94	75 - 124
Styrene	ND		2500	2430		ug/L		97	80 - 120
Tetrachloroethene	ND		2500	2670		ug/L		107	74 - 122
Toluene	ND		2500	2600		ug/L		104	80 - 122
trans-1,2-Dichloroethene	ND		2500	2490		ug/L		100	73 - 127
trans-1,3-Dichloropropene	ND		2500	2340		ug/L		94	80 - 120
Trichloroethene	350		2500	2770		ug/L		97	74 - 123
Trichlorofluoromethane	ND		2500	2820		ug/L		113	62 - 150
Vinyl chloride	720		2500	3450		ug/L		109	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	1/ 4		00 - 12/
4-Bromofluorobenzene (Surr)	1/ 7		03 - 12/
Toluene-d7 (Surr)	1/ 0		7/ - 12/
Dibromofluoromethane (Surr)	1/ 5		05 - 123

Lab Sample ID: 480-182978-12 MSD

Matrix: Water

Analysis Batch: 575880

Client Sample ID: DPE-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	130		2500	2730		ug/L		104	73 - 126	4	15
1,1,2,2-Tetrachloroethane	ND		2500	2570		ug/L		103	76 - 120	4	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2500	2580		ug/L		103	61 - 148	1	20
1,1,2-Trichloroethane	ND		2500	2440		ug/L		98	76 - 122	1	15
1,1-Dichloroethane	73 J		2500	2550		ug/L		99	77 - 120	3	20
1,1-Dichloroethene	ND		2500	2520		ug/L		101	66 - 127	4	16
1,2,4-Trichlorobenzene	ND		2500	2600		ug/L		104	79 - 122	0	20
1,2-Dibromo-3-Chloropropane	ND		2500	2190		ug/L		88	56 - 134	4	15
1,2-Dibromoethane	ND		2500	2530		ug/L		101	77 - 120	5	15
1,2-Dichlorobenzene	ND		2500	2680		ug/L		107	80 - 124	3	20
1,2-Dichloroethane	ND		2500	2400		ug/L		96	75 - 120	2	20
1,2-Dichloropropane	ND		2500	2520		ug/L		101	76 - 120	3	20
1,3-Dichlorobenzene	ND		2500	2630		ug/L		105	77 - 120	2	20
1,4-Dichlorobenzene	ND		2500	2580		ug/L		103	78 - 124	1	20
2-Butanone (MEK)	ND		12500	12600		ug/L		101	57 - 140	1	20
2-Hexanone	ND		12500	12800		ug/L		102	65 - 127	4	15
4-Methyl-2-pentanone (MIBK)	ND		12500	12000		ug/L		96	71 - 125	0	35
Acetone	ND		12500	11900		ug/L		95	56 - 142	0	15

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QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-182978-12 MSD

Matrix: Water

Analysis Batch: 575880

Client Sample ID: DPE-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		2500	2390		ug/L		96	71 - 124	0	13
Bromodichloromethane	ND		2500	2290		ug/L		92	80 - 122	1	15
Bromoform	ND		2500	2410		ug/L		96	61 - 132	2	15
Bromomethane	ND		2500	2590		ug/L		104	55 - 144	5	15
Carbon disulfide	ND		2500	2360		ug/L		95	59 - 134	0	15
Carbon tetrachloride	ND		2500	2480		ug/L		99	72 - 134	3	15
Chlorobenzene	ND		2500	2510		ug/L		100	80 - 120	1	25
Chloroethane	ND		2500	2280		ug/L		91	69 - 136	3	15
Chloroform	ND		2500	2390		ug/L		96	73 - 127	2	20
Chloromethane	ND		2500	2760		ug/L		111	68 - 124	3	15
cis-1,2-Dichloroethene	4800	F1	2500	6670	F1	ug/L		73	74 - 124	1	15
cis-1,3-Dichloropropene	ND		2500	2290		ug/L		91	74 - 124	3	15
Cyclohexane	ND		2500	2600		ug/L		104	59 - 135	1	20
Dibromochloromethane	ND		2500	2540		ug/L		101	75 - 125	6	15
Dichlorodifluoromethane	ND		2500	2940		ug/L		118	59 - 135	2	20
Ethylbenzene	ND		2500	2460		ug/L		98	77 - 123	0	15
Isopropylbenzene	ND		2500	2640		ug/L		106	77 - 122	3	20
Methyl acetate	ND		5000	4860		ug/L		97	74 - 133	2	20
Methyl tert-butyl ether	ND		2500	2260		ug/L		91	77 - 120	1	37
Methylcyclohexane	ND		2500	2580		ug/L		103	68 - 134	3	20
Methylene Chloride	ND		2500	2340		ug/L		93	75 - 124	0	15
Styrene	ND		2500	2460		ug/L		98	80 - 120	1	20
Tetrachloroethene	ND		2500	2740		ug/L		109	74 - 122	3	20
Toluene	ND		2500	2620		ug/L		105	80 - 122	1	15
trans-1,2-Dichloroethene	ND		2500	2540		ug/L		102	73 - 127	2	20
trans-1,3-Dichloropropene	ND		2500	2410		ug/L		97	80 - 120	3	15
Trichloroethene	350		2500	2770		ug/L		97	74 - 123	0	16
Trichlorofluoromethane	ND		2500	2800		ug/L		112	62 - 150	1	20
Vinyl chloride	720		2500	3380		ug/L		106	65 - 133	2	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	1/ 3		00 - 12/
4-Bromofluorobenzene (Surr)	1/ 9		03 - 12/
Toluene-d7 (Surr)	1/ 7		7/ - 12/
Dibromofluoromethane (Surr)	1/ 8		05 - 123

Lab Sample ID: MB 480-575912/6

Matrix: Water

Analysis Batch: 575912

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/11/21 22:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/11/21 22:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/11/21 22:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/11/21 22:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/11/21 22:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/11/21 22:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/11/21 22:23	1

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QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-575912/6

Matrix: Water

Analysis Batch: 575912

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/11/21 22:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/11/21 22:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/11/21 22:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/11/21 22:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/11/21 22:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/11/21 22:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/11/21 22:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/11/21 22:23	1
2-Hexanone	ND		5.0	1.2	ug/L			04/11/21 22:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/11/21 22:23	1
Acetone	ND		10	3.0	ug/L			04/11/21 22:23	1
Benzene	ND		1.0	0.41	ug/L			04/11/21 22:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/11/21 22:23	1
Bromoform	ND		1.0	0.26	ug/L			04/11/21 22:23	1
Bromomethane	ND		1.0	0.69	ug/L			04/11/21 22:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/11/21 22:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/11/21 22:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/11/21 22:23	1
Chloroethane	ND		1.0	0.32	ug/L			04/11/21 22:23	1
Chloroform	ND		1.0	0.34	ug/L			04/11/21 22:23	1
Chloromethane	ND		1.0	0.35	ug/L			04/11/21 22:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/11/21 22:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/11/21 22:23	1
Cyclohexane	ND		1.0	0.18	ug/L			04/11/21 22:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/11/21 22:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/11/21 22:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/21 22:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/11/21 22:23	1
Methyl acetate	ND		2.5	1.3	ug/L			04/11/21 22:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/11/21 22:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/11/21 22:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/11/21 22:23	1
Styrene	ND		1.0	0.73	ug/L			04/11/21 22:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/11/21 22:23	1
Toluene	ND		1.0	0.51	ug/L			04/11/21 22:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/11/21 22:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/11/21 22:23	1
Trichloroethene	ND		1.0	0.46	ug/L			04/11/21 22:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/11/21 22:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/11/21 22:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/21 22:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	1/ 8		00 - 12/		04/11/21 22:23	1
4-Bromofluorobenzene (Surr)	1/ 8		03 - 12/		04/11/21 22:23	1
Toluene-d7 (Surr)	1/ 2		7/ - 12/		04/11/21 22:23	1
Dibromofluoromethane (Surr)	1/ 7		05 - 123		04/11/21 22:23	1

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QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-575912/4

Matrix: Water

Analysis Batch: 575912

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.3		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	29.7		ug/L		119	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.1		ug/L		100	61 - 148
1,1,2-Trichloroethane	25.0	26.8		ug/L		107	76 - 122
1,1-Dichloroethane	25.0	25.4		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	24.5		ug/L		98	66 - 127
1,2,4-Trichlorobenzene	25.0	25.4		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.7		ug/L		103	56 - 134
1,2-Dibromoethane	25.0	27.9		ug/L		112	77 - 120
1,2-Dichlorobenzene	25.0	27.1		ug/L		109	80 - 124
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	26.6		ug/L		106	76 - 120
1,3-Dichlorobenzene	25.0	27.3		ug/L		109	77 - 120
1,4-Dichlorobenzene	25.0	27.0		ug/L		108	80 - 120
2-Butanone (MEK)	125	144		ug/L		115	57 - 140
2-Hexanone	125	141		ug/L		113	65 - 127
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		105	71 - 125
Acetone	125	155		ug/L		124	56 - 142
Benzene	25.0	26.2		ug/L		105	71 - 124
Bromodichloromethane	25.0	27.1		ug/L		108	80 - 122
Bromoform	25.0	29.6		ug/L		118	61 - 132
Bromomethane	25.0	25.6		ug/L		102	55 - 144
Carbon disulfide	25.0	23.6		ug/L		94	59 - 134
Carbon tetrachloride	25.0	27.9		ug/L		111	72 - 134
Chlorobenzene	25.0	27.3		ug/L		109	80 - 120
Chloroethane	25.0	25.6		ug/L		102	69 - 136
Chloroform	25.0	24.2		ug/L		97	73 - 127
Chloromethane	25.0	26.3		ug/L		105	68 - 124
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	74 - 124
cis-1,3-Dichloropropene	25.0	28.0		ug/L		112	74 - 124
Cyclohexane	25.0	26.5		ug/L		106	59 - 135
Dibromochloromethane	25.0	29.2		ug/L		117	75 - 125
Dichlorodifluoromethane	25.0	24.4		ug/L		98	59 - 135
Ethylbenzene	25.0	27.8		ug/L		111	77 - 123
Isopropylbenzene	25.0	29.6		ug/L		119	77 - 122
Methyl acetate	50.0	50.3		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	24.4		ug/L		97	77 - 120
Methylcyclohexane	25.0	26.7		ug/L		107	68 - 134
Methylene Chloride	25.0	24.0		ug/L		96	75 - 124
Styrene	25.0	26.8		ug/L		107	80 - 120
Tetrachloroethene	25.0	26.3		ug/L		105	74 - 122
Toluene	25.0	27.3		ug/L		109	80 - 122
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	27.9		ug/L		112	80 - 120
Trichloroethene	25.0	26.2		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	26.0		ug/L		104	62 - 150
Vinyl chloride	25.0	24.3		ug/L		97	65 - 133

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-575912/4
Matrix: Water
Analysis Batch: 575912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	1/1		00 - 12/
4-Bromofluorobenzene (Surr)	1/3		03 - 12/
Toluene-d7 (Surr)	1/5		7/ - 12/
Dibromofluoromethane (Surr)	1/2		05 - 123

Lab Sample ID: MB 480-575941/8
Matrix: Water
Analysis Batch: 575941

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/12/21 10:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/12/21 10:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/12/21 10:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/12/21 10:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/12/21 10:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/12/21 10:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/12/21 10:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/12/21 10:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/12/21 10:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/12/21 10:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/12/21 10:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/12/21 10:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/12/21 10:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/12/21 10:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/12/21 10:56	1
2-Hexanone	ND		5.0	1.2	ug/L			04/12/21 10:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/12/21 10:56	1
Acetone	ND		10	3.0	ug/L			04/12/21 10:56	1
Benzene	ND		1.0	0.41	ug/L			04/12/21 10:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/12/21 10:56	1
Bromoform	ND		1.0	0.26	ug/L			04/12/21 10:56	1
Bromomethane	ND		1.0	0.69	ug/L			04/12/21 10:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/12/21 10:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/12/21 10:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/12/21 10:56	1
Chloroethane	ND		1.0	0.32	ug/L			04/12/21 10:56	1
Chloroform	ND		1.0	0.34	ug/L			04/12/21 10:56	1
Chloromethane	ND		1.0	0.35	ug/L			04/12/21 10:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/12/21 10:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/12/21 10:56	1
Cyclohexane	ND		1.0	0.18	ug/L			04/12/21 10:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/12/21 10:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/12/21 10:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/12/21 10:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/12/21 10:56	1
Methyl acetate	ND		2.5	1.3	ug/L			04/12/21 10:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/12/21 10:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/12/21 10:56	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-575941/8

Matrix: Water

Analysis Batch: 575941

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			04/12/21 10:56	1
Styrene	ND		1.0	0.73	ug/L			04/12/21 10:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/12/21 10:56	1
Toluene	ND		1.0	0.51	ug/L			04/12/21 10:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/12/21 10:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/12/21 10:56	1
Trichloroethene	ND		1.0	0.46	ug/L			04/12/21 10:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/12/21 10:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/12/21 10:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/12/21 10:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	1/ 5		00 - 12/		04/12/21 10:58	1
4-Bromofluorobenzene (Surr)	1/ 9		03 - 12/		04/12/21 10:58	1
Toluene-d7 (Surr)	1/ 8		7/ - 12/		04/12/21 10:58	1
Dibromofluoromethane (Surr)	1/ 1		05 - 123		04/12/21 10:58	1

Lab Sample ID: LCS 480-575941/5

Matrix: Water

Analysis Batch: 575941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.9		ug/L		96	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.2		ug/L		105	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.6		ug/L		91	61 - 148
1,1,2-Trichloroethane	25.0	25.8		ug/L		103	76 - 122
1,1-Dichloroethane	25.0	23.0		ug/L		92	77 - 120
1,1-Dichloroethene	25.0	22.4		ug/L		89	66 - 127
1,2,4-Trichlorobenzene	25.0	25.1		ug/L		101	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	28.8		ug/L		115	56 - 134
1,2-Dibromoethane	25.0	25.6		ug/L		102	77 - 120
1,2-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	20.6		ug/L		82	75 - 120
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	24.8		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 120
2-Butanone (MEK)	125	201	*+	ug/L		161	57 - 140
2-Hexanone	125	124		ug/L		100	65 - 127
4-Methyl-2-pentanone (MIBK)	125	115		ug/L		92	71 - 125
Acetone	125	123		ug/L		99	56 - 142
Benzene	25.0	22.9		ug/L		92	71 - 124
Bromodichloromethane	25.0	24.3		ug/L		97	80 - 122
Bromoform	25.0	27.6		ug/L		110	61 - 132
Bromomethane	25.0	18.2		ug/L		73	55 - 144
Carbon disulfide	25.0	23.2		ug/L		93	59 - 134
Carbon tetrachloride	25.0	25.9		ug/L		104	72 - 134
Chlorobenzene	25.0	24.4		ug/L		98	80 - 120
Chloroethane	25.0	19.5		ug/L		78	69 - 136

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-575941/5

Matrix: Water

Analysis Batch: 575941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	25.0	21.8		ug/L		87	73 - 127
Chloromethane	25.0	20.7		ug/L		83	68 - 124
cis-1,2-Dichloroethene	25.0	22.7		ug/L		91	74 - 124
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124
Cyclohexane	25.0	23.5		ug/L		94	59 - 135
Dibromochloromethane	25.0	26.2		ug/L		105	75 - 125
Dichlorodifluoromethane	25.0	24.1		ug/L		96	59 - 135
Ethylbenzene	25.0	25.1		ug/L		101	77 - 123
Isopropylbenzene	25.0	27.2		ug/L		109	77 - 122
Methyl acetate	50.0	42.0		ug/L		84	74 - 133
Methyl tert-butyl ether	25.0	23.7		ug/L		95	77 - 120
Methylcyclohexane	25.0	25.9		ug/L		103	68 - 134
Methylene Chloride	25.0	23.8		ug/L		95	75 - 124
Styrene	25.0	27.2		ug/L		109	80 - 120
Tetrachloroethene	25.0	24.1		ug/L		96	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	22.7		ug/L		91	73 - 127
trans-1,3-Dichloropropene	25.0	26.8		ug/L		107	80 - 120
Trichloroethene	25.0	23.0		ug/L		92	74 - 123
Trichlorofluoromethane	25.0	23.4		ug/L		94	62 - 150
Vinyl chloride	25.0	22.8		ug/L		91	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		00 - 12/
4-Bromofluorobenzene (Surr)	11/		03 - 12/
Toluene-d7 (Surr)	1/ 5		7/ - 12/
Dibromofluoromethane (Surr)	97		05 - 123

Lab Sample ID: LCSD 480-575941/6

Matrix: Water

Analysis Batch: 575941

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	20.3	*1	ug/L		81	73 - 126	16	15
1,1,2,2-Tetrachloroethane	25.0	24.0		ug/L		96	76 - 120	9	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	19.2		ug/L		77	61 - 148	17	20
1,1,2-Trichloroethane	25.0	22.9		ug/L		91	76 - 122	12	15
1,1-Dichloroethane	25.0	19.8		ug/L		79	77 - 120	15	20
1,1-Dichloroethene	25.0	18.9	*1	ug/L		75	66 - 127	17	16
1,2,4-Trichlorobenzene	25.0	23.6		ug/L		94	79 - 122	6	20
1,2-Dibromo-3-Chloropropane	25.0	26.4		ug/L		106	56 - 134	9	15
1,2-Dibromoethane	25.0	23.0		ug/L		92	77 - 120	10	15
1,2-Dichlorobenzene	25.0	22.6		ug/L		90	80 - 124	9	20
1,2-Dichloroethane	25.0	18.8		ug/L		75	75 - 120	9	20
1,2-Dichloropropane	25.0	20.5		ug/L		82	76 - 120	16	20
1,3-Dichlorobenzene	25.0	22.5		ug/L		90	77 - 120	10	20
1,4-Dichlorobenzene	25.0	21.7		ug/L		87	80 - 120	11	20
2-Butanone (MEK)	125	174		ug/L		139	57 - 140	15	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-575941/6

Matrix: Water

Analysis Batch: 575941

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Hexanone	125	108		ug/L		87	65 - 127	14	15
4-Methyl-2-pentanone (MIBK)	125	105		ug/L		84	71 - 125	10	35
Acetone	125	111		ug/L		88	56 - 142	11	15
Benzene	25.0	19.8	*1	ug/L		79	71 - 124	15	13
Bromodichloromethane	25.0	21.3		ug/L		85	80 - 122	13	15
Bromoform	25.0	25.2		ug/L		101	61 - 132	9	15
Bromomethane	25.0	16.2		ug/L		65	55 - 144	12	15
Carbon disulfide	25.0	20.3		ug/L		81	59 - 134	14	15
Carbon tetrachloride	25.0	21.9	*1	ug/L		88	72 - 134	17	15
Chlorobenzene	25.0	21.5		ug/L		86	80 - 120	13	25
Chloroethane	25.0	17.0	*-	ug/L		68	69 - 136	13	15
Chloroform	25.0	19.1		ug/L		77	73 - 127	13	20
Chloromethane	25.0	18.0		ug/L		72	68 - 124	14	15
cis-1,2-Dichloroethene	25.0	20.1		ug/L		80	74 - 124	12	15
cis-1,3-Dichloropropene	25.0	23.1		ug/L		93	74 - 124	14	15
Cyclohexane	25.0	19.8		ug/L		79	59 - 135	17	20
Dibromochloromethane	25.0	23.8		ug/L		95	75 - 125	9	15
Dichlorodifluoromethane	25.0	21.0		ug/L		84	59 - 135	14	20
Ethylbenzene	25.0	21.9		ug/L		88	77 - 123	14	15
Isopropylbenzene	25.0	24.1		ug/L		96	77 - 122	12	20
Methyl acetate	50.0	37.6		ug/L		75	74 - 133	11	20
Methyl tert-butyl ether	25.0	22.0		ug/L		88	77 - 120	8	37
Methylcyclohexane	25.0	21.6		ug/L		86	68 - 134	18	20
Methylene Chloride	25.0	21.4		ug/L		86	75 - 124	11	15
Styrene	25.0	23.6		ug/L		95	80 - 120	14	20
Tetrachloroethene	25.0	21.0		ug/L		84	74 - 122	14	20
Toluene	25.0	21.7		ug/L		87	80 - 122	13	15
trans-1,2-Dichloroethene	25.0	19.9		ug/L		80	73 - 127	13	20
trans-1,3-Dichloropropene	25.0	24.2		ug/L		97	80 - 120	10	15
Trichloroethene	25.0	20.2		ug/L		81	74 - 123	13	16
Trichlorofluoromethane	25.0	20.0		ug/L		80	62 - 150	16	20
Vinyl chloride	25.0	19.5	*1	ug/L		78	65 - 133	16	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		00 - 12/
4-Bromofluorobenzene (Surr)	90		03 - 12/
Toluene-d7 (Surr)	1/ 2		7/ - 12/
Dibromofluoromethane (Surr)	95		05 - 123

Lab Sample ID: MB 480-576581/7

Matrix: Water

Analysis Batch: 576581

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/16/21 12:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/16/21 12:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/16/21 12:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/16/21 12:28	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-576581/7

Matrix: Water

Analysis Batch: 576581

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/16/21 12:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/16/21 12:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/16/21 12:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/16/21 12:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/16/21 12:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/16/21 12:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/16/21 12:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/16/21 12:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/16/21 12:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/16/21 12:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/16/21 12:28	1
2-Hexanone	ND		5.0	1.2	ug/L			04/16/21 12:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/16/21 12:28	1
Acetone	ND		10	3.0	ug/L			04/16/21 12:28	1
Benzene	ND		1.0	0.41	ug/L			04/16/21 12:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/16/21 12:28	1
Bromoform	ND		1.0	0.26	ug/L			04/16/21 12:28	1
Bromomethane	ND		1.0	0.69	ug/L			04/16/21 12:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/16/21 12:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/16/21 12:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/16/21 12:28	1
Chloroethane	ND		1.0	0.32	ug/L			04/16/21 12:28	1
Chloroform	ND		1.0	0.34	ug/L			04/16/21 12:28	1
Chloromethane	ND		1.0	0.35	ug/L			04/16/21 12:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/16/21 12:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/16/21 12:28	1
Cyclohexane	ND		1.0	0.18	ug/L			04/16/21 12:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/16/21 12:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/16/21 12:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/16/21 12:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/16/21 12:28	1
Methyl acetate	ND		2.5	1.3	ug/L			04/16/21 12:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/16/21 12:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/16/21 12:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/16/21 12:28	1
Styrene	ND		1.0	0.73	ug/L			04/16/21 12:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/16/21 12:28	1
Toluene	ND		1.0	0.51	ug/L			04/16/21 12:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/16/21 12:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/16/21 12:28	1
Trichloroethene	ND		1.0	0.46	ug/L			04/16/21 12:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/16/21 12:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/16/21 12:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/16/21 12:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	1/ 2		00 - 12/		04/16/21 12:27	1
4-Bromofluorobenzene (Surr)	1/ 7		03 - 12/		04/16/21 12:27	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-576581/7

Matrix: Water

Analysis Batch: 576581

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d7 (Surr)	1/ 2		7/ - 12/		/ 4618621 12:27	1
Dibromofluoromethane (Surr)	1/ 5		05 - 123		/ 4618621 12:27	1

Lab Sample ID: LCS 480-576581/5

Matrix: Water

Analysis Batch: 576581

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.0		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.1		ug/L		92	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.6		ug/L		106	61 - 148
1,1,2-Trichloroethane	25.0	24.5		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	24.0		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	24.2		ug/L		97	66 - 127
1,2,4-Trichlorobenzene	25.0	25.5		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.7		ug/L		83	56 - 134
1,2-Dibromoethane	25.0	25.1		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	25.6		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	24.8		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	25.6		ug/L		102	76 - 120
1,3-Dichlorobenzene	25.0	25.9		ug/L		103	77 - 120
1,4-Dichlorobenzene	25.0	25.9		ug/L		104	80 - 120
2-Butanone (MEK)	125	132		ug/L		106	57 - 140
2-Hexanone	125	130		ug/L		104	65 - 127
4-Methyl-2-pentanone (MIBK)	125	114		ug/L		91	71 - 125
Acetone	125	125		ug/L		100	56 - 142
Benzene	25.0	24.1		ug/L		97	71 - 124
Bromodichloromethane	25.0	23.9		ug/L		96	80 - 122
Bromoform	25.0	26.1		ug/L		104	61 - 132
Bromomethane	25.0	23.8		ug/L		95	55 - 144
Carbon disulfide	25.0	21.9		ug/L		88	59 - 134
Carbon tetrachloride	25.0	25.3		ug/L		101	72 - 134
Chlorobenzene	25.0	25.5		ug/L		102	80 - 120
Chloroethane	25.0	22.5		ug/L		90	69 - 136
Chloroform	25.0	24.3		ug/L		97	73 - 127
Chloromethane	25.0	26.8		ug/L		107	68 - 124
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	74 - 124
Cyclohexane	25.0	23.7		ug/L		95	59 - 135
Dibromochloromethane	25.0	25.3		ug/L		101	75 - 125
Dichlorodifluoromethane	25.0	22.4		ug/L		90	59 - 135
Ethylbenzene	25.0	23.7		ug/L		95	77 - 123
Isopropylbenzene	25.0	23.0		ug/L		92	77 - 122
Methyl acetate	50.0	48.4		ug/L		97	74 - 133
Methyl tert-butyl ether	25.0	23.1		ug/L		92	77 - 120
Methylcyclohexane	25.0	23.9		ug/L		96	68 - 134
Methylene Chloride	25.0	22.8		ug/L		91	75 - 124
Styrene	25.0	24.4		ug/L		98	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-576581/5

Matrix: Water

Analysis Batch: 576581

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	25.0	25.9		ug/L		104	74 - 122
Toluene	25.0	23.9		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	24.1		ug/L		96	80 - 120
Trichloroethene	25.0	24.7		ug/L		99	74 - 123
Trichlorofluoromethane	25.0	28.2		ug/L		113	62 - 150
Vinyl chloride	25.0	26.6		ug/L		106	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	1/ 5		00 - 12/
4-Bromofluorobenzene (Surr)	118		03 - 12/
Toluene-d7 (Surr)	1/ 1		7/ - 12/
Dibromofluoromethane (Surr)	11/		05 - 123

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 200-165677/4

Matrix: Water

Analysis Batch: 165677

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		5000	4000	ug/L			04/08/21 15:28	1

Lab Sample ID: LCS 200-165677/2

Matrix: Water

Analysis Batch: 165677

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon dioxide	40000	36700		ug/L		92	70 - 130

Lab Sample ID: LCSD 200-165677/3

Matrix: Water

Analysis Batch: 165677

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon dioxide	40000	34900		ug/L		87	70 - 130	5	30

Lab Sample ID: MB 200-165821/26

Matrix: Water

Analysis Batch: 165821

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		5000	4000	ug/L			04/13/21 20:11	1

Lab Sample ID: LCS 200-165821/24

Matrix: Water

Analysis Batch: 165821

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon dioxide	40000	42500		ug/L		106	70 - 130

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: LCSD 200-165821/25
Matrix: Water
Analysis Batch: 165821

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon dioxide	40000	43200		ug/L		108	70 - 130	2	30

Lab Sample ID: MB 480-575398/3
Matrix: Water
Analysis Batch: 575398

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		7.5	1.5	ug/L			04/07/21 11:47	1
Ethene	ND		7.0	1.5	ug/L			04/07/21 11:47	1
Methane	ND		4.0	1.0	ug/L			04/07/21 11:47	1

Lab Sample ID: LCS 480-575398/4
Matrix: Water
Analysis Batch: 575398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	36.8	33.5		ug/L		91	79 - 120
Ethene	33.7	30.8		ug/L		91	85 - 120
Methane	19.2	19.5		ug/L		101	85 - 120

Lab Sample ID: MB 480-575607/3
Matrix: Water
Analysis Batch: 575607

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		7.5	1.5	ug/L			04/08/21 13:26	1
Ethene	ND		7.0	1.5	ug/L			04/08/21 13:26	1
Methane	ND		4.0	1.0	ug/L			04/08/21 13:26	1

Lab Sample ID: LCS 480-575607/4
Matrix: Water
Analysis Batch: 575607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	36.8	37.4		ug/L		102	79 - 120
Ethene	33.7	32.8		ug/L		97	85 - 120
Methane	19.2	19.6		ug/L		102	85 - 120

Lab Sample ID: LCSD 480-575607/5
Matrix: Water
Analysis Batch: 575607

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane	36.8	36.4		ug/L		99	79 - 120	3	50
Ethene	33.7	32.5		ug/L		96	85 - 120	1	50
Methane	19.2	19.1		ug/L		99	85 - 120	2	50

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: MB 480-575904/26
Matrix: Water
Analysis Batch: 575904

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		7.5	1.5	ug/L			04/11/21 23:58	1
Ethene	ND		7.0	1.5	ug/L			04/11/21 23:58	1
Methane	ND		4.0	1.0	ug/L			04/11/21 23:58	1

Lab Sample ID: LCS 480-575904/27
Matrix: Water
Analysis Batch: 575904

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	36.8	37.9		ug/L		103	79 - 120
Ethene	33.7	33.8		ug/L		100	85 - 120
Methane	19.2	19.9		ug/L		104	85 - 120

Lab Sample ID: LCSD 480-575904/28
Matrix: Water
Analysis Batch: 575904

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane	36.8	35.3		ug/L		96	79 - 120	7	50
Ethene	33.7	32.5		ug/L		96	85 - 120	4	50
Methane	19.2	18.8		ug/L		98	85 - 120	6	50

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-575433/1-A
Matrix: Water
Analysis Batch: 575742

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 575433

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		04/08/21 07:55	04/08/21 16:25	1

Lab Sample ID: LCS 480-575433/2-A
Matrix: Water
Analysis Batch: 575742

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 575433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	10.0	9.94		mg/L		99	85 - 115

Lab Sample ID: MB 480-575954/1-A
Matrix: Water
Analysis Batch: 576113

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 575954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		04/12/21 11:19	04/12/21 19:55	1

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-575954/2-A
Matrix: Water
Analysis Batch: 576113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 575954
%Rec.
Limits

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Iron	10.0	9.65		mg/L		97	85 - 115

Lab Sample ID: MB 480-576018/1-A
Matrix: Water
Analysis Batch: 576283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576018

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		04/12/21 13:53	04/13/21 19:01	1

Lab Sample ID: LCS 480-576018/2-A
Matrix: Water
Analysis Batch: 576283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 576018
%Rec.
Limits

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Iron	10.0	9.98		mg/L		100	85 - 115

Lab Sample ID: MB 480-576319/1-B
Matrix: Water
Analysis Batch: 576861

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 576520

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		04/16/21 09:59	04/16/21 20:16	1

Lab Sample ID: LCS 480-576319/2-B
Matrix: Water
Analysis Batch: 576861

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 576520
%Rec.
Limits

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Iron	10.0	9.53		mg/L		95	85 - 115

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-575434/1-A
Matrix: Water
Analysis Batch: 575728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 575434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.00136	J	0.0030	0.00040	mg/L		04/08/21 07:55	04/08/21 23:57	1

Lab Sample ID: LCS 480-575434/2-A
Matrix: Water
Analysis Batch: 575728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 575434
%Rec.
Limits

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Manganese	0.200	0.212		mg/L		106	80 - 120

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSD 480-575434/3-A
Matrix: Water
Analysis Batch: 575728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 575434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	0.200	0.212		mg/L		106	80 - 120	0	20

Lab Sample ID: MB 480-575668/1-A
Matrix: Water
Analysis Batch: 576122

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 575668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.00186	J	0.0030	0.00040	mg/L		04/09/21 08:20	04/12/21 16:45	1

Lab Sample ID: LCS 480-575668/2-A
Matrix: Water
Analysis Batch: 576122

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 575668

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	0.200	0.208	B	mg/L		104	80 - 120

Lab Sample ID: MB 480-576404/1-A
Matrix: Water
Analysis Batch: 576592

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576404

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.0030	0.00040	mg/L		04/15/21 08:09	04/15/21 17:04	1

Lab Sample ID: LCS 480-576404/2-A
Matrix: Water
Analysis Batch: 576592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 576404

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	0.200	0.211		mg/L		106	80 - 120

Lab Sample ID: MB 480-576319/1-C
Matrix: Water
Analysis Batch: 576862

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 576521

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.000970	J	0.0030	0.00040	mg/L		04/16/21 09:59	04/16/21 21:52	1

Lab Sample ID: LCS 480-576319/2-C
Matrix: Water
Analysis Batch: 576862

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 576521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	0.200	0.211		mg/L		106	80 - 120

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-575559/4
Matrix: Water
Analysis Batch: 575559

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			04/08/21 11:23	1
Sulfate	ND		2.0	0.35	mg/L			04/08/21 11:23	1

Lab Sample ID: LCS 480-575559/3
Matrix: Water
Analysis Batch: 575559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.95		mg/L		98	90 - 110
Sulfate	50.0	50.94		mg/L		102	90 - 110

Lab Sample ID: MB 480-575983/4
Matrix: Water
Analysis Batch: 575983

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			04/12/21 15:08	1
Sulfate	ND		2.0	0.35	mg/L			04/12/21 15:08	1

Lab Sample ID: LCS 480-575983/3
Matrix: Water
Analysis Batch: 575983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	45.76		mg/L		92	90 - 110
Sulfate	50.0	48.23		mg/L		96	90 - 110

Lab Sample ID: MB 480-576175/28
Matrix: Water
Analysis Batch: 576175

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			04/13/21 22:25	1
Sulfate	ND		2.0	0.35	mg/L			04/13/21 22:25	1

Lab Sample ID: MB 480-576175/4
Matrix: Water
Analysis Batch: 576175

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			04/13/21 16:35	1
Sulfate	ND		2.0	0.35	mg/L			04/13/21 16:35	1

Lab Sample ID: LCS 480-576175/27
Matrix: Water
Analysis Batch: 576175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.16		mg/L		96	90 - 110
Sulfate	50.0	48.74		mg/L		97	90 - 110

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 480-576175/3
Matrix: Water
Analysis Batch: 576175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	47.68		mg/L		95	90 - 110
Sulfate	50.0	49.57		mg/L		99	90 - 110

Method: 310.2 - Alkalinity

Lab Sample ID: MB 480-575706/37
Matrix: Water
Analysis Batch: 575706

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10.0	4.0	mg/L			04/09/21 00:33	1

Lab Sample ID: MB 480-575706/48
Matrix: Water
Analysis Batch: 575706

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10.0	4.0	mg/L			04/09/21 00:39	1

Lab Sample ID: LCS 480-575706/35
Matrix: Water
Analysis Batch: 575706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	53.75		mg/L		108	90 - 110

Lab Sample ID: LCS 480-575706/46
Matrix: Water
Analysis Batch: 575706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	52.07		mg/L		104	90 - 110

Lab Sample ID: MB 480-576067/27
Matrix: Water
Analysis Batch: 576067

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10.0	4.0	mg/L			04/12/21 22:54	1

Lab Sample ID: MB 480-576067/39
Matrix: Water
Analysis Batch: 576067

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10.0	4.0	mg/L			04/12/21 22:58	1

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 310.2 - Alkalinity (Continued)

Lab Sample ID: MB 480-576067/51
Matrix: Water
Analysis Batch: 576067

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10.0	4.0	mg/L			04/12/21 23:02	1

Lab Sample ID: MB 480-576067/63
Matrix: Water
Analysis Batch: 576067

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10.0	4.0	mg/L			04/12/21 23:11	1

Lab Sample ID: MB 480-576067/73
Matrix: Water
Analysis Batch: 576067

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10.0	4.0	mg/L			04/12/21 23:20	1

Lab Sample ID: LCS 480-576067/25
Matrix: Water
Analysis Batch: 576067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	54.45		mg/L		109	90 - 110

Lab Sample ID: LCS 480-576067/37
Matrix: Water
Analysis Batch: 576067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	51.98		mg/L		104	90 - 110

Lab Sample ID: LCS 480-576067/49
Matrix: Water
Analysis Batch: 576067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	52.52		mg/L		105	90 - 110

Lab Sample ID: LCS 480-576067/61
Matrix: Water
Analysis Batch: 576067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	53.07		mg/L		106	90 - 110

Lab Sample ID: LCS 480-576067/71
Matrix: Water
Analysis Batch: 576067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	52.10		mg/L		104	90 - 110

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 310.2 - Alkalinity

Lab Sample ID: 480-182976-3 MS
Matrix: Ground Water
Analysis Batch: 576067

Client Sample ID: MW-16D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	314		20.0	321.7	4	mg/L		40	60 - 140

Lab Sample ID: 480-182976-3 MSD
Matrix: Ground Water
Analysis Batch: 576067

Client Sample ID: MW-16D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity, Total	314		20.0	322.2	4	mg/L		43	60 - 140	0	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-575991/3
Matrix: Water
Analysis Batch: 575991

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			04/12/21 10:45	1

Lab Sample ID: LCS 480-575991/4
Matrix: Water
Analysis Batch: 575991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	0.979		mg/L		98	90 - 110

Lab Sample ID: 480-182886-1 MS
Matrix: Water
Analysis Batch: 575991

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.11	F1	0.200	0.249	F1	mg/L		70	90 - 110

Lab Sample ID: 480-182886-1 DU
Matrix: Water
Analysis Batch: 575991

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	0.11	F1	0.114		mg/L		4	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-575832/27
Matrix: Water
Analysis Batch: 575832

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/09/21 05:58	1

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 480-575832/28
Matrix: Water
Analysis Batch: 575832

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	60.29		mg/L		100	90 - 110

Lab Sample ID: 480-182887-1 MS
Matrix: Ground Water
Analysis Batch: 575832

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	13.6		23.3	37.94		mg/L		105	54 - 131

Lab Sample ID: 480-182887-2 DU
Matrix: Ground Water
Analysis Batch: 575832

Client Sample ID: MW-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	6.5		6.10		mg/L		6	20

Lab Sample ID: MB 480-576142/27
Matrix: Water
Analysis Batch: 576142

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/11/21 05:03	1

Lab Sample ID: MB 480-576142/4
Matrix: Water
Analysis Batch: 576142

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/10/21 17:28	1

Lab Sample ID: MB 480-576142/51
Matrix: Water
Analysis Batch: 576142

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/11/21 16:41	1

Lab Sample ID: LCS 480-576142/28
Matrix: Water
Analysis Batch: 576142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	59.69		mg/L		99	90 - 110

Lab Sample ID: LCS 480-576142/5
Matrix: Water
Analysis Batch: 576142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	60.21		mg/L		100	90 - 110

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QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: LCS 480-576142/52
Matrix: Water
Analysis Batch: 576142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	59.30		mg/L		99	90 - 110

Lab Sample ID: 480-182976-P-3 MS ^4
Matrix: Ground Water
Analysis Batch: 576142

Client Sample ID: 480-182976-P-3 MS ^4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	2.2	J	100	103.8		mg/L		102	54 - 131

Lab Sample ID: 480-182978-8 MS
Matrix: Water
Analysis Batch: 576142

Client Sample ID: DPE-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	14.6		23.3	39.61		mg/L		108	54 - 131

Lab Sample ID: 480-182978-15 MS
Matrix: Water
Analysis Batch: 576142

Client Sample ID: MW-14S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	5.8		23.3	30.83		mg/L		108	54 - 131

Lab Sample ID: 480-182978-9 DU
Matrix: Water
Analysis Batch: 576142

Client Sample ID: DPE-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	64.9		70.25		mg/L		8	20

Lab Sample ID: 480-182978-16 DU
Matrix: Water
Analysis Batch: 576142

Client Sample ID: MW-14D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	9.9		9.69		mg/L		2	20

Lab Sample ID: 480-182978-D-1 DU ^4
Matrix: Water
Analysis Batch: 576142

Client Sample ID: 480-182978-D-1 DU ^4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	17.5		17.29		mg/L		1	20

Lab Sample ID: MB 480-576480/27
Matrix: Water
Analysis Batch: 576480

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/14/21 06:48	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-576480/4
Matrix: Water
Analysis Batch: 576480

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/13/21 19:15	1

Lab Sample ID: MB 480-576480/51
Matrix: Water
Analysis Batch: 576480

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/14/21 18:28	1

Lab Sample ID: LCS 480-576480/28
Matrix: Water
Analysis Batch: 576480

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	59.09		mg/L		98	90 - 110

Lab Sample ID: LCS 480-576480/5
Matrix: Water
Analysis Batch: 576480

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	59.77		mg/L		100	90 - 110

Lab Sample ID: LCS 480-576480/52
Matrix: Water
Analysis Batch: 576480

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	59.23		mg/L		99	90 - 110

Lab Sample ID: 480-183060-1 DU
Matrix: Ground Water
Analysis Batch: 576480

Client Sample ID: MW-16S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	204		206.6		mg/L		1	20

Lab Sample ID: MB 480-577033/4
Matrix: Water
Analysis Batch: 577033

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/15/21 22:31	1

Lab Sample ID: MB 480-577033/51
Matrix: Water
Analysis Batch: 577033

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/16/21 21:45	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: LCS 480-577033/5
Matrix: Water
Analysis Batch: 577033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	58.94		mg/L		98	90 - 110

Lab Sample ID: LCS 480-577033/52
Matrix: Water
Analysis Batch: 577033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	59.19		mg/L		99	90 - 110

Method: SM 3500 FE D - Iron, Ferrous and Ferric

Lab Sample ID: MB 480-575867/3
Matrix: Water
Analysis Batch: 575867

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	ND		0.10	0.075	mg/L			04/10/21 12:50	1

Lab Sample ID: LCS 480-575867/4
Matrix: Water
Analysis Batch: 575867

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	2.00	2.03		mg/L		101	90 - 110

Lab Sample ID: 480-182976-2 MS
Matrix: Ground Water
Analysis Batch: 575867

Client Sample ID: MW-13S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	0.088	J HF	1.00	1.05		mg/L		96	70 - 130

Lab Sample ID: 480-182886-1 DU
Matrix: Water
Analysis Batch: 575867

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ferrous Iron	0.33	HF	0.349		mg/L		5	20

Lab Sample ID: 480-182976-1 DU
Matrix: Ground Water
Analysis Batch: 575867

Client Sample ID: MW-8R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ferrous Iron	0.33	HF	0.321		mg/L		4	20

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: SM 3500 FE D - Iron, Ferrous and Ferric (Continued)

Lab Sample ID: 480-182976-2 DU
Matrix: Ground Water
Analysis Batch: 575867

Client Sample ID: MW-13S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ferrous Iron	0.088	J HF	0.0817	J	mg/L		7	20

Lab Sample ID: 480-182976-3 DU
Matrix: Ground Water
Analysis Batch: 575867

Client Sample ID: MW-16D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ferrous Iron	ND	HF	ND		mg/L		NC	20

Lab Sample ID: 480-183060-1 DU
Matrix: Ground Water
Analysis Batch: 575867

Client Sample ID: MW-16S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ferrous Iron	2.7	HF	2.74		mg/L		0.9	20

Lab Sample ID: 480-183062-1 DU
Matrix: Ground Water
Analysis Batch: 575867

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ferrous Iron	0.12	HF	0.136		mg/L		9	20

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 480-576050/27
Matrix: Water
Analysis Batch: 576050

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			04/12/21 14:25	1

Lab Sample ID: MB 480-576050/51
Matrix: Water
Analysis Batch: 576050

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			04/12/21 14:25	1

Lab Sample ID: LCS 480-576050/28
Matrix: Water
Analysis Batch: 576050

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	8.00	8.00		mg/L		100	90 - 110

QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: SM 4500 S2 F - Sulfide, Total (Continued)

Lab Sample ID: LCS 480-576050/52
Matrix: Water
Analysis Batch: 576050

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	8.00	8.00		mg/L		100	90 - 110

Lab Sample ID: MB 480-576339/27
Matrix: Water
Analysis Batch: 576339

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			04/14/21 11:38	1

Lab Sample ID: MB 480-576339/3
Matrix: Water
Analysis Batch: 576339

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			04/14/21 11:38	1

Lab Sample ID: MB 480-576339/51
Matrix: Water
Analysis Batch: 576339

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			04/14/21 11:38	1

Lab Sample ID: LCS 480-576339/28
Matrix: Water
Analysis Batch: 576339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	8.00	8.00		mg/L		100	90 - 110

Lab Sample ID: LCS 480-576339/4
Matrix: Water
Analysis Batch: 576339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	8.00	8.00		mg/L		100	90 - 110

Lab Sample ID: LCS 480-576339/52
Matrix: Water
Analysis Batch: 576339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	8.00	8.00		mg/L		100	90 - 110

Lab Sample ID: 480-182976-3 DU
Matrix: Ground Water
Analysis Batch: 576339

Client Sample ID: MW-16D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	ND		ND		mg/L		NC	20

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QC Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: 480-183062-1 DU
Matrix: Ground Water
Analysis Batch: 576339

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	1.6		1.60		mg/L		0	20

Lab Sample ID: MB 480-576494/27
Matrix: Water
Analysis Batch: 576494

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			04/15/21 13:58	1

Lab Sample ID: MB 480-576494/3
Matrix: Water
Analysis Batch: 576494

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			04/15/21 13:58	1

Lab Sample ID: LCS 480-576494/28
Matrix: Water
Analysis Batch: 576494

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	8.00	8.00		mg/L		100	90 - 110

Lab Sample ID: LCS 480-576494/4
Matrix: Water
Analysis Batch: 576494

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	8.00	8.00		mg/L		100	90 - 110

Lab Sample ID: 480-183060-1 DU
Matrix: Ground Water
Analysis Batch: 576494

Client Sample ID: MW-16S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	ND		ND		mg/L		NC	20

Definitions/Glossary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control

Definitions/Glossary

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

GC/MS VOA

Analysis Batch: 575417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182887-1	MW-2	Total/NA	Ground Water	8260C	
480-182887-2	MW-9	Total/NA	Ground Water	8260C	
480-182887-4	Duplicate	Total/NA	Water	8260C	
480-182887-5	MW-3	Total/NA	Ground Water	8260C	
480-182887-6	Trip Blank	Total/NA	Water	8260C	
MB 480-575417/8	Method Blank	Total/NA	Water	8260C	
LCS 480-575417/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 575807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182978-1	MW-8R	Total/NA	Water	8260C	
480-182978-2	MW-13S	Total/NA	Water	8260C	
480-182978-3	MW-13D	Total/NA	Water	8260C	
480-182978-4	MW-16D	Total/NA	Water	8260C	
480-182978-5	DPE-1	Total/NA	Water	8260C	
480-182978-6	DPE-2	Total/NA	Water	8260C	
480-182978-7	DPE-3	Total/NA	Water	8260C	
480-182978-8	DPE-4	Total/NA	Water	8260C	
480-182978-9	DPE-5	Total/NA	Water	8260C	
480-182978-10	DPE-6	Total/NA	Water	8260C	
480-182978-11	DPE-7	Total/NA	Water	8260C	
480-182978-13	GWCT	Total/NA	Water	8260C	
480-182978-14	Rinse Blank	Total/NA	Water	8260C	
480-182978-15	MW-14S	Total/NA	Water	8260C	
480-182978-16	MW-14D	Total/NA	Water	8260C	
480-182978-17	Trip Blank	Total/NA	Water	8260C	
MB 480-575807/8	Method Blank	Total/NA	Water	8260C	
LCS 480-575807/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 575880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182978-11 - DL	DPE-7	Total/NA	Water	8260C	
480-182978-12	DPE-8	Total/NA	Water	8260C	
MB 480-575880/7	Method Blank	Total/NA	Water	8260C	
LCS 480-575880/5	Lab Control Sample	Total/NA	Water	8260C	
480-182978-12 MS	DPE-8	Total/NA	Water	8260C	
480-182978-12 MSD	DPE-8	Total/NA	Water	8260C	

Analysis Batch: 575912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183063-1	MW-4	Total/NA	Water	8260C	
480-183063-2	MW-15S	Total/NA	Water	8260C	
480-183063-3	MW-15D	Total/NA	Water	8260C	
480-183063-4	Trip Blank	Total/NA	Water	8260C	
MB 480-575912/6	Method Blank	Total/NA	Water	8260C	
LCS 480-575912/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 575941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183060-1	MW-16S	Total/NA	Ground Water	8260C	
480-183060-2	Trip Blank	Total/NA	Water	8260C	

QC Association Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

GC/MS VOA (Continued)

Analysis Batch: 575941 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-575941/8	Method Blank	Total/NA	Water	8260C	
LCS 480-575941/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-575941/6	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 576581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	8260C	
MB 480-576581/7	Method Blank	Total/NA	Water	8260C	
LCS 480-576581/5	Lab Control Sample	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 165677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	RSK-175	
MB 200-165677/4	Method Blank	Total/NA	Water	RSK-175	
LCS 200-165677/2	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 200-165677/3	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 165821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182976-1	MW-8R	Total/NA	Ground Water	RSK-175	
480-182976-2	MW-13S	Total/NA	Ground Water	RSK-175	
480-182976-3	MW-16D	Total/NA	Ground Water	RSK-175	
480-183060-1	MW-16S	Total/NA	Ground Water	RSK-175	
480-183062-1	MW-4	Total/NA	Ground Water	RSK-175	
MB 200-165821/26	Method Blank	Total/NA	Water	RSK-175	
LCS 200-165821/24	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 200-165821/25	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 575398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	RSK-175	
MB 480-575398/3	Method Blank	Total/NA	Water	RSK-175	
LCS 480-575398/4	Lab Control Sample	Total/NA	Water	RSK-175	

Analysis Batch: 575607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182976-1	MW-8R	Total/NA	Ground Water	RSK-175	
480-182976-2	MW-13S	Total/NA	Ground Water	RSK-175	
480-182976-3	MW-16D	Total/NA	Ground Water	RSK-175	
MB 480-575607/3	Method Blank	Total/NA	Water	RSK-175	
LCS 480-575607/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-575607/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 575904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183060-1	MW-16S	Total/NA	Ground Water	RSK-175	
480-183062-1	MW-4	Total/NA	Ground Water	RSK-175	
MB 480-575904/26	Method Blank	Total/NA	Water	RSK-175	
LCS 480-575904/27	Lab Control Sample	Total/NA	Water	RSK-175	

QC Association Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

GC VOA (Continued)

Analysis Batch: 575904 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 480-575904/28	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Metals

Prep Batch: 575433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	200.7	
MB 480-575433/1-A	Method Blank	Total/NA	Water	200.7	
LCS 480-575433/2-A	Lab Control Sample	Total/NA	Water	200.7	

Prep Batch: 575434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	3005A	
MB 480-575434/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-575434/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-575434/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Prep Batch: 575668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182976-1	MW-8R	Total/NA	Ground Water	3005A	
480-182976-2	MW-13S	Total/NA	Ground Water	3005A	
480-182976-3	MW-16D	Total/NA	Ground Water	3005A	
MB 480-575668/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-575668/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 575728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	6010C	575434
MB 480-575434/1-A	Method Blank	Total/NA	Water	6010C	575434
LCS 480-575434/2-A	Lab Control Sample	Total/NA	Water	6010C	575434
LCSD 480-575434/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	575434

Analysis Batch: 575742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	200.7 Rev 4.4	575433
MB 480-575433/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	575433
LCS 480-575433/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	575433

Prep Batch: 575954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182976-1	MW-8R	Total/NA	Ground Water	200.7	
480-182976-2	MW-13S	Total/NA	Ground Water	200.7	
480-182976-3	MW-16D	Total/NA	Ground Water	200.7	
MB 480-575954/1-A	Method Blank	Total/NA	Water	200.7	
LCS 480-575954/2-A	Lab Control Sample	Total/NA	Water	200.7	

Prep Batch: 576018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183060-1	MW-16S	Total/NA	Ground Water	200.7	
480-183062-1	MW-4	Total/NA	Ground Water	200.7	
MB 480-576018/1-A	Method Blank	Total/NA	Water	200.7	

QC Association Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Metals (Continued)

Prep Batch: 576018 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-576018/2-A	Lab Control Sample	Total/NA	Water	200.7	

Analysis Batch: 576113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182976-1	MW-8R	Total/NA	Ground Water	200.7 Rev 4.4	575954
480-182976-2	MW-13S	Total/NA	Ground Water	200.7 Rev 4.4	575954
480-182976-3	MW-16D	Total/NA	Ground Water	200.7 Rev 4.4	575954
MB 480-575954/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	575954
LCS 480-575954/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	575954

Analysis Batch: 576122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182976-1	MW-8R	Total/NA	Ground Water	6010C	575668
480-182976-2	MW-13S	Total/NA	Ground Water	6010C	575668
MB 480-575668/1-A	Method Blank	Total/NA	Water	6010C	575668
LCS 480-575668/2-A	Lab Control Sample	Total/NA	Water	6010C	575668

Analysis Batch: 576276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182976-3	MW-16D	Total/NA	Ground Water	6010C	575668

Analysis Batch: 576283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183060-1	MW-16S	Total/NA	Ground Water	200.7 Rev 4.4	576018
480-183062-1	MW-4	Total/NA	Ground Water	200.7 Rev 4.4	576018
MB 480-576018/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	576018
LCS 480-576018/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	576018

Filtration Batch: 576319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Dissolved	Water	FILTRATION	
480-182976-1	MW-8R	Dissolved	Ground Water	FILTRATION	
480-182976-2	MW-13S	Dissolved	Ground Water	FILTRATION	
480-182976-3	MW-16D	Dissolved	Ground Water	FILTRATION	
480-183060-1	MW-16S	Dissolved	Ground Water	FILTRATION	
480-183062-1	MW-4	Dissolved	Ground Water	FILTRATION	
MB 480-576319/1-B	Method Blank	Dissolved	Water	FILTRATION	
MB 480-576319/1-C	Method Blank	Dissolved	Water	FILTRATION	
LCS 480-576319/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCS 480-576319/2-C	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 480-576319/3-B	Lab Control Sample Dup	Dissolved	Water	FILTRATION	

Prep Batch: 576404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183060-1	MW-16S	Total/NA	Ground Water	3005A	
480-183062-1	MW-4	Total/NA	Ground Water	3005A	
MB 480-576404/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-576404/2-A	Lab Control Sample	Total/NA	Water	3005A	

QC Association Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Metals

Prep Batch: 576520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Dissolved	Water	200.7	576319
480-182976-1	MW-8R	Dissolved	Ground Water	200.7	576319
480-182976-2	MW-13S	Dissolved	Ground Water	200.7	576319
480-182976-3	MW-16D	Dissolved	Ground Water	200.7	576319
480-183060-1	MW-16S	Dissolved	Ground Water	200.7	576319
480-183062-1	MW-4	Dissolved	Ground Water	200.7	576319
MB 480-576319/1-B	Method Blank	Dissolved	Water	200.7	576319
LCS 480-576319/2-B	Lab Control Sample	Dissolved	Water	200.7	576319

Prep Batch: 576521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Dissolved	Water	3005A	576319
480-182976-1	MW-8R	Dissolved	Ground Water	3005A	576319
480-182976-2	MW-13S	Dissolved	Ground Water	3005A	576319
480-182976-3	MW-16D	Dissolved	Ground Water	3005A	576319
480-183060-1	MW-16S	Dissolved	Ground Water	3005A	576319
480-183062-1	MW-4	Dissolved	Ground Water	3005A	576319
MB 480-576319/1-C	Method Blank	Dissolved	Water	3005A	576319
LCS 480-576319/2-C	Lab Control Sample	Dissolved	Water	3005A	576319
LCSD 480-576319/3-B	Lab Control Sample Dup	Dissolved	Water	3005A	576319

Analysis Batch: 576592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183060-1	MW-16S	Total/NA	Ground Water	6010C	576404
480-183062-1	MW-4	Total/NA	Ground Water	6010C	576404
MB 480-576404/1-A	Method Blank	Total/NA	Water	6010C	576404
LCS 480-576404/2-A	Lab Control Sample	Total/NA	Water	6010C	576404

Analysis Batch: 576861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Dissolved	Water	200.7 Rev 4.4	576520
480-182976-1	MW-8R	Dissolved	Ground Water	200.7 Rev 4.4	576520
480-182976-2	MW-13S	Dissolved	Ground Water	200.7 Rev 4.4	576520
480-182976-3	MW-16D	Dissolved	Ground Water	200.7 Rev 4.4	576520
480-183060-1	MW-16S	Dissolved	Ground Water	200.7 Rev 4.4	576520
480-183062-1	MW-4	Dissolved	Ground Water	200.7 Rev 4.4	576520
MB 480-576319/1-B	Method Blank	Dissolved	Water	200.7 Rev 4.4	576520
LCS 480-576319/2-B	Lab Control Sample	Dissolved	Water	200.7 Rev 4.4	576520

Analysis Batch: 576862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Dissolved	Water	6010C	576521
480-182976-1	MW-8R	Dissolved	Ground Water	6010C	576521
480-182976-2	MW-13S	Dissolved	Ground Water	6010C	576521
480-182976-3	MW-16D	Dissolved	Ground Water	6010C	576521
480-183060-1	MW-16S	Dissolved	Ground Water	6010C	576521
480-183062-1	MW-4	Dissolved	Ground Water	6010C	576521
MB 480-576319/1-C	Method Blank	Dissolved	Water	6010C	576521
LCS 480-576319/2-C	Lab Control Sample	Dissolved	Water	6010C	576521
LCSD 480-576319/3-B	Lab Control Sample Dup	Dissolved	Water	200.7 Rev 4.4	576521

QC Association Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

General Chemistry

Analysis Batch: 575482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	353.2	

Analysis Batch: 575483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	353.2	

Analysis Batch: 575559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	300.0	
MB 480-575559/4	Method Blank	Total/NA	Water	300.0	
LCS 480-575559/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 575690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182976-1	MW-8R	Total/NA	Ground Water	353.2	
480-182976-2	MW-13S	Total/NA	Ground Water	353.2	
480-182976-3	MW-16D	Total/NA	Ground Water	353.2	

Analysis Batch: 575691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182976-1	MW-8R	Total/NA	Ground Water	353.2	
480-182976-2	MW-13S	Total/NA	Ground Water	353.2	
480-182976-3	MW-16D	Total/NA	Ground Water	353.2	

Analysis Batch: 575706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	310.2	
MB 480-575706/37	Method Blank	Total/NA	Water	310.2	
MB 480-575706/48	Method Blank	Total/NA	Water	310.2	
LCS 480-575706/35	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-575706/46	Lab Control Sample	Total/NA	Water	310.2	

Analysis Batch: 575832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182887-1	MW-2	Total/NA	Ground Water	9060A	
480-182887-2	MW-9	Total/NA	Ground Water	9060A	
480-182887-5	MW-3	Total/NA	Ground Water	9060A	
MB 480-575832/27	Method Blank	Total/NA	Water	9060A	
LCS 480-575832/28	Lab Control Sample	Total/NA	Water	9060A	
480-182887-1 MS	MW-2	Total/NA	Ground Water	9060A	
480-182887-2 DU	MW-9	Total/NA	Ground Water	9060A	

Analysis Batch: 575846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183060-1	MW-16S	Total/NA	Ground Water	353.2	
480-183062-1	MW-4	Total/NA	Ground Water	353.2	

Analysis Batch: 575847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183060-1	MW-16S	Total/NA	Ground Water	353.2	
480-183062-1	MW-4	Total/NA	Ground Water	353.2	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

General Chemistry

Analysis Batch: 575867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	SM 3500 FE D	
480-182976-1	MW-8R	Total/NA	Ground Water	SM 3500 FE D	
480-182976-2	MW-13S	Total/NA	Ground Water	SM 3500 FE D	
480-182976-3	MW-16D	Total/NA	Ground Water	SM 3500 FE D	
480-183060-1	MW-16S	Total/NA	Ground Water	SM 3500 FE D	
480-183062-1	MW-4	Total/NA	Ground Water	SM 3500 FE D	
MB 480-575867/3	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 480-575867/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
480-182976-2 MS	MW-13S	Total/NA	Ground Water	SM 3500 FE D	
480-182886-1 DU	MW-11	Total/NA	Water	SM 3500 FE D	
480-182976-1 DU	MW-8R	Total/NA	Ground Water	SM 3500 FE D	
480-182976-2 DU	MW-13S	Total/NA	Ground Water	SM 3500 FE D	
480-182976-3 DU	MW-16D	Total/NA	Ground Water	SM 3500 FE D	
480-183060-1 DU	MW-16S	Total/NA	Ground Water	SM 3500 FE D	
480-183062-1 DU	MW-4	Total/NA	Ground Water	SM 3500 FE D	

Analysis Batch: 575983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182976-1	MW-8R	Total/NA	Ground Water	300.0	
480-182976-2	MW-13S	Total/NA	Ground Water	300.0	
480-182976-3	MW-16D	Total/NA	Ground Water	300.0	
MB 480-575983/4	Method Blank	Total/NA	Water	300.0	
LCS 480-575983/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 575991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	350.1	
480-182976-1	MW-8R	Total/NA	Ground Water	350.1	
480-182976-2	MW-13S	Total/NA	Ground Water	350.1	
480-182976-3	MW-16D	Total/NA	Ground Water	350.1	
480-183060-1	MW-16S	Total/NA	Ground Water	350.1	
480-183062-1	MW-4	Total/NA	Ground Water	350.1	
MB 480-575991/3	Method Blank	Total/NA	Water	350.1	
LCS 480-575991/4	Lab Control Sample	Total/NA	Water	350.1	
480-182886-1 MS	MW-11	Total/NA	Water	350.1	
480-182886-1 DU	MW-11	Total/NA	Water	350.1	

Analysis Batch: 576050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	SM 4500 S2 F	
MB 480-576050/27	Method Blank	Total/NA	Water	SM 4500 S2 F	
MB 480-576050/51	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 480-576050/28	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
LCS 480-576050/52	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 576067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182976-1	MW-8R	Total/NA	Ground Water	310.2	
480-182976-2	MW-13S	Total/NA	Ground Water	310.2	
480-182976-3	MW-16D	Total/NA	Ground Water	310.2	
480-183060-1	MW-16S	Total/NA	Ground Water	310.2	

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QC Association Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

General Chemistry (Continued)

Analysis Batch: 576067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183062-1	MW-4	Total/NA	Ground Water	310.2	
MB 480-576067/27	Method Blank	Total/NA	Water	310.2	
MB 480-576067/39	Method Blank	Total/NA	Water	310.2	
MB 480-576067/51	Method Blank	Total/NA	Water	310.2	
MB 480-576067/63	Method Blank	Total/NA	Water	310.2	
MB 480-576067/73	Method Blank	Total/NA	Water	310.2	
LCS 480-576067/25	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-576067/37	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-576067/49	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-576067/61	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-576067/71	Lab Control Sample	Total/NA	Water	310.2	
480-182976-3 MS	MW-16D	Total/NA	Ground Water	310.2	
480-182976-3 MSD	MW-16D	Total/NA	Ground Water	310.2	

Analysis Batch: 576142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	9060A	
480-182976-2	MW-13S	Total/NA	Ground Water	9060A	
480-182978-2	MW-13S	Total/NA	Water	9060A	
480-182978-3	MW-13D	Total/NA	Water	9060A	
480-182978-4	MW-16D	Total/NA	Water	9060A	
480-182978-5	DPE-1	Total/NA	Water	9060A	
480-182978-6	DPE-2	Total/NA	Water	9060A	
480-182978-7	DPE-3	Total/NA	Water	9060A	
480-182978-8	DPE-4	Total/NA	Water	9060A	
480-182978-9	DPE-5	Total/NA	Water	9060A	
480-182978-10	DPE-6	Total/NA	Water	9060A	
480-182978-12	DPE-8	Total/NA	Water	9060A	
480-182978-13	GWCT	Total/NA	Water	9060A	
480-182978-15	MW-14S	Total/NA	Water	9060A	
480-182978-16	MW-14D	Total/NA	Water	9060A	
MB 480-576142/27	Method Blank	Total/NA	Water	9060A	
MB 480-576142/4	Method Blank	Total/NA	Water	9060A	
MB 480-576142/51	Method Blank	Total/NA	Water	9060A	
LCS 480-576142/28	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-576142/5	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-576142/52	Lab Control Sample	Total/NA	Water	9060A	
480-182976-P-3 MS ^4	480-182976-P-3 MS ^4	Total/NA	Ground Water	9060A	
480-182978-8 MS	DPE-4	Total/NA	Water	9060A	
480-182978-15 MS	MW-14S	Total/NA	Water	9060A	
480-182978-9 DU	DPE-5	Total/NA	Water	9060A	
480-182978-16 DU	MW-14D	Total/NA	Water	9060A	
480-182978-D-1 DU ^4	480-182978-D-1 DU ^4	Total/NA	Water	9060A	

Analysis Batch: 576175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	300.0	
480-183060-1	MW-16S	Total/NA	Ground Water	300.0	
480-183062-1	MW-4	Total/NA	Ground Water	300.0	
MB 480-576175/28	Method Blank	Total/NA	Water	300.0	
MB 480-576175/4	Method Blank	Total/NA	Water	300.0	

QC Association Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

General Chemistry (Continued)

Analysis Batch: 576175 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-576175/27	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-576175/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 576329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182976-1	MW-8R	Total/NA	Ground Water	SM 3500	
480-182976-2	MW-13S	Total/NA	Ground Water	SM 3500	
480-182976-3	MW-16D	Total/NA	Ground Water	SM 3500	

Analysis Batch: 576334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182886-1	MW-11	Total/NA	Water	SM 3500	

Analysis Batch: 576339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182976-1	MW-8R	Total/NA	Ground Water	SM 4500 S2 F	
480-182976-2	MW-13S	Total/NA	Ground Water	SM 4500 S2 F	
480-182976-3	MW-16D	Total/NA	Ground Water	SM 4500 S2 F	
480-183062-1	MW-4	Total/NA	Ground Water	SM 4500 S2 F	
MB 480-576339/27	Method Blank	Total/NA	Water	SM 4500 S2 F	
MB 480-576339/3	Method Blank	Total/NA	Water	SM 4500 S2 F	
MB 480-576339/51	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 480-576339/28	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
LCS 480-576339/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
LCS 480-576339/52	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
480-182976-3 DU	MW-16D	Total/NA	Ground Water	SM 4500 S2 F	
480-183062-1 DU	MW-4	Total/NA	Ground Water	SM 4500 S2 F	

Analysis Batch: 576480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182976-1	MW-8R	Total/NA	Ground Water	9060A	
480-182976-3	MW-16D	Total/NA	Ground Water	9060A	
480-182978-1	MW-8R	Total/NA	Water	9060A	
480-182978-11	DPE-7	Total/NA	Water	9060A	
480-183060-1	MW-16S	Total/NA	Ground Water	9060A	
480-183063-2	MW-15S	Total/NA	Water	9060A	
480-183063-3	MW-15D	Total/NA	Water	9060A	
MB 480-576480/27	Method Blank	Total/NA	Water	9060A	
MB 480-576480/4	Method Blank	Total/NA	Water	9060A	
MB 480-576480/51	Method Blank	Total/NA	Water	9060A	
LCS 480-576480/28	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-576480/5	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-576480/52	Lab Control Sample	Total/NA	Water	9060A	
480-183060-1 DU	MW-16S	Total/NA	Ground Water	9060A	

Analysis Batch: 576494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183060-1	MW-16S	Total/NA	Ground Water	SM 4500 S2 F	
MB 480-576494/27	Method Blank	Total/NA	Water	SM 4500 S2 F	
MB 480-576494/3	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 480-576494/28	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

QC Association Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

General Chemistry (Continued)

Analysis Batch: 576494 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-576494/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
480-183060-1 DU	MW-16S	Total/NA	Ground Water	SM 4500 S2 F	

Analysis Batch: 576759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183062-1	MW-4	Total/NA	Ground Water	SM 3500	

Analysis Batch: 577033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183062-1	MW-4	Total/NA	Ground Water	9060A	
480-183063-1	MW-4	Total/NA	Water	9060A	
MB 480-577033/4	Method Blank	Total/NA	Water	9060A	
MB 480-577033/51	Method Blank	Total/NA	Water	9060A	
LCS 480-577033/5	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-577033/52	Lab Control Sample	Total/NA	Water	9060A	

Analysis Batch: 577128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183060-1	MW-16S	Total/NA	Ground Water	SM 3500	

Lab Chronicle

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-11

Lab Sample ID: 480-182886-1

Date Collected: 04/06/21 13:55

Matrix: Water

Date Received: 04/06/21 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576581	04/16/21 13:49	CRL	TAL BUF
Total/NA	Analysis	RSK-175		1	165677	04/08/21 16:48	MJZ	TAL BUR
Total/NA	Analysis	RSK-175		22	575398	04/07/21 15:57	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			576319	04/14/21 12:35	ADM	TAL BUF
Dissolved	Prep	200.7			576520	04/16/21 09:59	ADM	TAL BUF
Dissolved	Analysis	200.7 Rev 4.4		1	576861	04/16/21 21:29	LMH	TAL BUF
Total/NA	Prep	200.7			575433	04/08/21 07:55	KMP	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	575742	04/08/21 18:13	LMH	TAL BUF
Dissolved	Filtration	FILTRATION			576319	04/14/21 12:35	ADM	TAL BUF
Dissolved	Prep	3005A			576521	04/16/21 09:59	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576862	04/16/21 22:14	LMH	TAL BUF
Total/NA	Prep	3005A			575434	04/08/21 07:55	KMP	TAL BUF
Total/NA	Analysis	6010C		1	575728	04/09/21 00:20	LMH	TAL BUF
Total/NA	Analysis	300.0		10	575559	04/08/21 14:03	IMZ	TAL BUF
Total/NA	Analysis	300.0		20	576175	04/13/21 16:49	IMZ	TAL BUF
Total/NA	Analysis	310.2		5	575706	04/09/21 00:38	SRW	TAL BUF
Total/NA	Analysis	350.1		1	575991	04/12/21 10:47	CLT	TAL BUF
Total/NA	Analysis	353.2		1	575482	04/07/21 14:40	ALT	TAL BUF
Total/NA	Analysis	353.2		1	575483	04/07/21 14:40	ALT	TAL BUF
Total/NA	Analysis	9060A		1	576142	04/11/21 03:36	CLA	TAL BUF
Total/NA	Analysis	SM 3500		1	576334	04/14/21 14:33	JJP	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	575867	04/10/21 12:50	CSS	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	576050	04/12/21 14:25	MJB	TAL BUF

Client Sample ID: MW-2

Lab Sample ID: 480-182887-1

Date Collected: 04/06/21 13:04

Matrix: Ground Water

Date Received: 04/06/21 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575417	04/08/21 00:59	CRL	TAL BUF
Total/NA	Analysis	9060A		1	575832	04/09/21 11:44	CLA	TAL BUF

Client Sample ID: MW-9

Lab Sample ID: 480-182887-2

Date Collected: 04/06/21 15:50

Matrix: Ground Water

Date Received: 04/06/21 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575417	04/08/21 01:23	CRL	TAL BUF
Total/NA	Analysis	9060A		1	575832	04/09/21 12:42	CLA	TAL BUF

Lab Chronicle

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: Duplicate

Lab Sample ID: 480-182887-4

Date Collected: 04/06/21 15:00

Matrix: Water

Date Received: 04/06/21 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575417	04/08/21 01:48	CRL	TAL BUF

Client Sample ID: MW-3

Lab Sample ID: 480-182887-5

Date Collected: 04/06/21 13:13

Matrix: Ground Water

Date Received: 04/06/21 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575417	04/08/21 02:12	CRL	TAL BUF
Total/NA	Analysis	9060A		1	575832	04/09/21 13:40	CLA	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-182887-6

Date Collected: 04/06/21 07:00

Matrix: Water

Date Received: 04/06/21 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575417	04/08/21 02:36	CRL	TAL BUF

Client Sample ID: MW-8R

Lab Sample ID: 480-182976-1

Date Collected: 04/07/21 15:02

Matrix: Ground Water

Date Received: 04/07/21 17:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	165821	04/13/21 21:49	MJZ	TAL BUR
Total/NA	Analysis	RSK-175		220	575607	04/08/21 18:09	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			576319	04/14/21 12:35	ADM	TAL BUF
Dissolved	Prep	200.7			576520	04/16/21 09:59	ADM	TAL BUF
Dissolved	Analysis	200.7 Rev 4.4		1	576861	04/16/21 21:33	LMH	TAL BUF
Total/NA	Prep	200.7			575954	04/12/21 11:19	ADM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	576113	04/12/21 21:02	LMH	TAL BUF
Dissolved	Filtration	FILTRATION			576319	04/14/21 12:35	ADM	TAL BUF
Dissolved	Prep	3005A			576521	04/16/21 09:59	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576862	04/16/21 22:18	LMH	TAL BUF
Total/NA	Prep	3005A			575668	04/09/21 08:20	KMP	TAL BUF
Total/NA	Analysis	6010C		1	576122	04/12/21 17:37	LMH	TAL BUF
Total/NA	Analysis	300.0		10	575983	04/12/21 18:32	IMZ	TAL BUF
Total/NA	Analysis	310.2		5	576067	04/12/21 23:19	SRW	TAL BUF
Total/NA	Analysis	350.1		1	575991	04/12/21 10:50	CLT	TAL BUF
Total/NA	Analysis	353.2		1	575690	04/08/21 17:43	ALT	TAL BUF
Total/NA	Analysis	353.2		1	575691	04/08/21 17:43	ALT	TAL BUF
Total/NA	Analysis	9060A		1	576480	04/13/21 23:02	CLA	TAL BUF
Total/NA	Analysis	SM 3500		1	576329	04/14/21 14:20	JJP	TAL BUF
Total/NA	Analysis	SM 3500 FE D		2	575867	04/10/21 12:50	CSS	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	576339	04/14/21 11:38	MJB	TAL BUF

Lab Chronicle

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-13S

Lab Sample ID: 480-182976-2

Date Collected: 04/07/21 11:42

Matrix: Ground Water

Date Received: 04/07/21 17:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	165821	04/13/21 21:58	MJZ	TAL BUR
Total/NA	Analysis	RSK-175		110	575607	04/08/21 18:28	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			576319	04/14/21 12:35	ADM	TAL BUF
Dissolved	Prep	200.7			576520	04/16/21 09:59	ADM	TAL BUF
Dissolved	Analysis	200.7 Rev 4.4		1	576861	04/16/21 21:37	LMH	TAL BUF
Total/NA	Prep	200.7			575954	04/12/21 11:19	ADM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	576113	04/12/21 21:05	LMH	TAL BUF
Dissolved	Filtration	FILTRATION			576319	04/14/21 12:35	ADM	TAL BUF
Dissolved	Prep	3005A			576521	04/16/21 09:59	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576862	04/16/21 22:22	LMH	TAL BUF
Total/NA	Prep	3005A			575668	04/09/21 08:20	KMP	TAL BUF
Total/NA	Analysis	6010C		1	576122	04/12/21 17:40	LMH	TAL BUF
Total/NA	Analysis	300.0		5	575983	04/12/21 18:47	IMZ	TAL BUF
Total/NA	Analysis	310.2		6	576067	04/12/21 22:55	SRW	TAL BUF
Total/NA	Analysis	350.1		1	575991	04/12/21 10:51	CLT	TAL BUF
Total/NA	Analysis	353.2		1	575690	04/08/21 17:45	ALT	TAL BUF
Total/NA	Analysis	353.2		1	575691	04/08/21 17:45	ALT	TAL BUF
Total/NA	Analysis	9060A		1	576142	04/11/21 09:22	CLA	TAL BUF
Total/NA	Analysis	SM 3500		1	576329	04/14/21 14:20	JJP	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	575867	04/10/21 12:50	CSS	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	576339	04/14/21 11:38	MJB	TAL BUF

Client Sample ID: MW-16D

Lab Sample ID: 480-182976-3

Date Collected: 04/07/21 10:26

Matrix: Ground Water

Date Received: 04/07/21 17:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	165821	04/13/21 22:06	MJZ	TAL BUR
Total/NA	Analysis	RSK-175		110	575607	04/08/21 18:47	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			576319	04/14/21 12:35	ADM	TAL BUF
Dissolved	Prep	200.7			576520	04/16/21 09:59	ADM	TAL BUF
Dissolved	Analysis	200.7 Rev 4.4		1	576861	04/16/21 21:41	LMH	TAL BUF
Total/NA	Prep	200.7			575954	04/12/21 11:19	ADM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	576113	04/12/21 21:09	LMH	TAL BUF
Dissolved	Filtration	FILTRATION			576319	04/14/21 12:35	ADM	TAL BUF
Dissolved	Prep	3005A			576521	04/16/21 09:59	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576862	04/16/21 22:25	LMH	TAL BUF
Total/NA	Prep	3005A			575668	04/09/21 08:20	KMP	TAL BUF
Total/NA	Analysis	6010C		1	576276	04/13/21 14:36	LMH	TAL BUF
Total/NA	Analysis	300.0		10	575983	04/12/21 19:01	IMZ	TAL BUF
Total/NA	Analysis	310.2		5	576067	04/12/21 22:55	SRW	TAL BUF
Total/NA	Analysis	350.1		1	575991	04/12/21 10:52	CLT	TAL BUF
Total/NA	Analysis	353.2		1	575690	04/08/21 17:47	ALT	TAL BUF

Lab Chronicle

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-16D

Date Collected: 04/07/21 10:26

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182976-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	575691	04/08/21 17:47	ALT	TAL BUF
Total/NA	Analysis	9060A		1	576480	04/13/21 23:31	CLA	TAL BUF
Total/NA	Analysis	SM 3500		1	576329	04/14/21 14:20	JJP	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	575867	04/10/21 12:50	CSS	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	576339	04/14/21 11:38	MJB	TAL BUF

Client Sample ID: MW-8R

Date Collected: 04/07/21 15:02

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182978-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	575807	04/10/21 00:16	CRL	TAL BUF
Total/NA	Analysis	9060A		1	576480	04/14/21 02:54	CLA	TAL BUF

Client Sample ID: MW-13S

Date Collected: 04/07/21 11:42

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182978-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575807	04/10/21 00:41	CRL	TAL BUF
Total/NA	Analysis	9060A		1	576142	04/11/21 12:46	CLA	TAL BUF

Client Sample ID: MW-13D

Date Collected: 04/07/21 01:10

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182978-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575807	04/10/21 01:05	CRL	TAL BUF
Total/NA	Analysis	9060A		1	576142	04/11/21 13:15	CLA	TAL BUF

Client Sample ID: MW-16D

Date Collected: 04/07/21 10:26

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182978-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575807	04/10/21 01:29	CRL	TAL BUF
Total/NA	Analysis	9060A		1	576142	04/11/21 13:45	CLA	TAL BUF

Client Sample ID: DPE-1

Date Collected: 04/07/21 10:00

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182978-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	575807	04/10/21 01:52	CRL	TAL BUF
Total/NA	Analysis	9060A		4	576142	04/11/21 14:15	CLA	TAL BUF

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Lab Chronicle

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-2

Date Collected: 04/07/21 10:30

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182978-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575807	04/10/21 02:16	CRL	TAL BUF
Total/NA	Analysis	9060A		1	576142	04/11/21 14:43	CLA	TAL BUF

Client Sample ID: DPE-3

Date Collected: 04/07/21 10:45

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182978-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	575807	04/10/21 02:41	CRL	TAL BUF
Total/NA	Analysis	9060A		1	576142	04/11/21 15:12	CLA	TAL BUF

Client Sample ID: DPE-4

Date Collected: 04/07/21 11:00

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182978-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	575807	04/10/21 03:05	CRL	TAL BUF
Total/NA	Analysis	9060A		1	576142	04/11/21 17:37	CLA	TAL BUF

Client Sample ID: DPE-5

Date Collected: 04/07/21 10:15

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182978-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	575807	04/10/21 03:29	CRL	TAL BUF
Total/NA	Analysis	9060A		1	576142	04/11/21 18:35	CLA	TAL BUF

Client Sample ID: DPE-6

Date Collected: 04/07/21 11:15

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182978-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575807	04/10/21 03:53	CRL	TAL BUF
Total/NA	Analysis	9060A		1	576142	04/11/21 19:34	CLA	TAL BUF

Client Sample ID: DPE-7

Date Collected: 04/07/21 11:30

Date Received: 04/07/21 17:50

Lab Sample ID: 480-182978-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575807	04/10/21 04:17	CRL	TAL BUF
Total/NA	Analysis	8260C	DL	20	575880	04/11/21 16:17	AMM	TAL BUF
Total/NA	Analysis	9060A		1	576480	04/14/21 03:23	CLA	TAL BUF

Lab Chronicle

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: DPE-8

Lab Sample ID: 480-182978-12

Date Collected: 04/07/21 12:00

Matrix: Water

Date Received: 04/07/21 17:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	575880	04/11/21 16:41	AMM	TAL BUF
Total/NA	Analysis	9060A		1	576142	04/11/21 20:31	CLA	TAL BUF

Client Sample ID: GWCT

Lab Sample ID: 480-182978-13

Date Collected: 04/07/21 08:15

Matrix: Water

Date Received: 04/07/21 17:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575807	04/10/21 05:05	CRL	TAL BUF
Total/NA	Analysis	9060A		1	576142	04/11/21 21:00	CLA	TAL BUF

Client Sample ID: Rinse Blank

Lab Sample ID: 480-182978-14

Date Collected: 04/07/21 08:45

Matrix: Water

Date Received: 04/07/21 17:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575807	04/10/21 05:29	CRL	TAL BUF

Client Sample ID: MW-14S

Lab Sample ID: 480-182978-15

Date Collected: 04/07/21 14:30

Matrix: Water

Date Received: 04/07/21 17:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575807	04/10/21 05:53	CRL	TAL BUF
Total/NA	Analysis	9060A		1	576142	04/11/21 22:27	CLA	TAL BUF

Client Sample ID: MW-14D

Lab Sample ID: 480-182978-16

Date Collected: 04/07/21 15:12

Matrix: Water

Date Received: 04/07/21 17:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575807	04/10/21 06:17	CRL	TAL BUF
Total/NA	Analysis	9060A		1	576142	04/11/21 23:24	CLA	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-182978-17

Date Collected: 04/07/21 07:00

Matrix: Water

Date Received: 04/07/21 17:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575807	04/10/21 06:41	CRL	TAL BUF

Lab Chronicle

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-16S

Date Collected: 04/09/21 06:30

Date Received: 04/09/21 07:15

Lab Sample ID: 480-183060-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1000	575941	04/12/21 13:41	OMI	TAL BUF
Total/NA	Analysis	RSK-175		1	165821	04/13/21 21:40	MJZ	TAL BUR
Total/NA	Analysis	RSK-175		110	575904	04/12/21 05:19	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			576319	04/14/21 12:35	ADM	TAL BUF
Dissolved	Prep	200.7			576520	04/16/21 09:59	ADM	TAL BUF
Dissolved	Analysis	200.7 Rev 4.4		1	576861	04/16/21 21:44	LMH	TAL BUF
Total/NA	Prep	200.7			576018	04/12/21 13:53	ADM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	576283	04/13/21 19:45	LMH	TAL BUF
Dissolved	Filtration	FILTRATION			576319	04/14/21 12:35	ADM	TAL BUF
Dissolved	Prep	3005A			576521	04/16/21 09:59	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576862	04/16/21 22:29	LMH	TAL BUF
Total/NA	Prep	3005A			576404	04/15/21 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	576592	04/15/21 18:03	LMH	TAL BUF
Total/NA	Analysis	300.0		10	576175	04/13/21 22:39	IMZ	TAL BUF
Total/NA	Analysis	310.2		5	576067	04/12/21 23:01	SRW	TAL BUF
Total/NA	Analysis	350.1		1	575991	04/12/21 10:52	CLT	TAL BUF
Total/NA	Analysis	353.2		1	575846	04/09/21 15:02	ALT	TAL BUF
Total/NA	Analysis	353.2		1	575847	04/09/21 15:02	ALT	TAL BUF
Total/NA	Analysis	9060A		4	576480	04/14/21 13:35	CLA	TAL BUF
Total/NA	Analysis	SM 3500		1	577128	04/20/21 22:59	JJP	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	575867	04/10/21 12:50	CSS	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	576494	04/15/21 13:58	MJB	TAL BUF

Client Sample ID: Trip Blank

Date Collected: 04/09/21 06:30

Date Received: 04/09/21 07:15

Lab Sample ID: 480-183060-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575941	04/12/21 14:03	OMI	TAL BUF

Client Sample ID: MW-4

Date Collected: 04/08/21 09:40

Date Received: 04/08/21 15:45

Lab Sample ID: 480-183062-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	165821	04/13/21 21:31	MJZ	TAL BUR
Total/NA	Analysis	RSK-175		88	575904	04/12/21 05:00	DSC	TAL BUF
Dissolved	Filtration	FILTRATION			576319	04/14/21 12:35	ADM	TAL BUF
Dissolved	Prep	200.7			576520	04/16/21 09:59	ADM	TAL BUF
Dissolved	Analysis	200.7 Rev 4.4		1	576861	04/16/21 21:48	LMH	TAL BUF
Total/NA	Prep	200.7			576018	04/12/21 13:53	ADM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	576283	04/13/21 20:24	LMH	TAL BUF

Lab Chronicle

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: MW-4

Date Collected: 04/08/21 09:40

Date Received: 04/08/21 15:45

Lab Sample ID: 480-183062-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			576319	04/14/21 12:35	ADM	TAL BUF
Dissolved	Prep	3005A			576521	04/16/21 09:59	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576862	04/16/21 22:33	LMH	TAL BUF
Total/NA	Prep	3005A			576404	04/15/21 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	576592	04/15/21 18:07	LMH	TAL BUF
Total/NA	Analysis	300.0		10	576175	04/13/21 22:54	IMZ	TAL BUF
Total/NA	Analysis	310.2		15	576067	04/12/21 23:28	SRW	TAL BUF
Total/NA	Analysis	350.1		1	575991	04/12/21 10:53	CLT	TAL BUF
Total/NA	Analysis	353.2		1	575846	04/09/21 15:03	ALT	TAL BUF
Total/NA	Analysis	353.2		1	575847	04/09/21 15:03	ALT	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 07:43	CLA	TAL BUF
Total/NA	Analysis	SM 3500		1	576759	04/17/21 23:22	JJP	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	575867	04/10/21 12:50	CSS	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	576339	04/14/21 11:38	MJB	TAL BUF

Client Sample ID: MW-4

Date Collected: 04/08/21 09:46

Date Received: 04/08/21 15:45

Lab Sample ID: 480-183063-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	575912	04/12/21 02:10	WJD	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 08:11	CLA	TAL BUF

Client Sample ID: MW-15S

Date Collected: 04/08/21 11:36

Date Received: 04/08/21 15:45

Lab Sample ID: 480-183063-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	575912	04/12/21 02:34	WJD	TAL BUF
Total/NA	Analysis	9060A		5	576480	04/14/21 15:32	CLA	TAL BUF

Client Sample ID: MW-15D

Date Collected: 04/08/21 13:20

Date Received: 04/08/21 15:45

Lab Sample ID: 480-183063-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	575912	04/12/21 02:57	WJD	TAL BUF
Total/NA	Analysis	9060A		1	576480	04/14/21 16:01	CLA	TAL BUF

Lab Chronicle

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-182886-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-183063-4

Date Collected: 04/08/21 00:00

Matrix: Water

Date Received: 04/08/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575912	04/12/21 03:21	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: AECOM

Job ID: 480-182886-1

Project/Site: Scott Figgie West of Plant 2

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 3500		Ground Water	Ferric Iron
SM 3500		Water	Ferric Iron
SM 3500 FE D		Ground Water	Ferrous Iron
SM 3500 FE D		Water	Ferrous Iron

Laboratory: Eurofins TestAmerica, Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23
Connecticut	State	PH-0751	09-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-16-21
Florida	NELAP	E87467	06-30-21
Minnesota	NELAP	050-999-436	12-31-21
New Hampshire	NELAP	2006	12-18-21
New Jersey	NELAP	VT972	06-30-21
New York	NELAP	10391	04-01-22
Pennsylvania	NELAP	68-00489	04-30-22
Rhode Island	State	LAO00298	12-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-22
Virginia	NELAP	460209	12-14-21
Wisconsin	State	399133350	08-31-21

Shipping and Receiving Documents

Chain of Custody Record



Client Information Client Contact: Mr. Dino Zack Company: AECOM Address: 257 West Genesee Street Suite 400 City: Buffalo State, Zip: NY, 14202-2657 Phone: 876648 Email: dino.zack@aecom.com Project Name: Scott Figgie West of Plant 2 - MNA Site: New York		Samples: Tony Ye Phone: 716 846 8222 (Q100) Lab PM: Fischer, Brian J E-Mail: Brian.Fischer@Eurofinset.com Carrier Tracking No(s): State of Origin: NY Page 1 of 1 Job #:		COC No: 480-157793-27848.1 Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Due Date Requested: TAT Requested (days): STD Compliance Project: Yes No PO #: 876648 WO #: 60538931 Project #: 48002539 SSOW#:		Analysis Requested Field Filtered Sample (Yes or No) RSK_175_CO2_D5_CO2 RSK_175 - ammonia 200.7, 6010C RSK_175 - Dissolved gases 9060A - TOC SM4500_S2_F - sulfide 353.2, 353.2 Nitrite, Nitrate, Calc 310.2 - alkalinity 3500_Fe+3_D_Cal_3500_Fe_D 200.7, 6010C 300.0_28D - (MOD) Sulfate/Chloride Total Number of containers		Special Instructions/Note: 480-182886 Chain of Custody	
Sample Identification Sample Date: 4/6/21 1355 Sample Time: 1355 Sample Type (C=Comp, G=grab): G Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air): Water		Field Filtered Sample (Yes or No) RSK_175_CO2_D5_CO2 RSK_175 - ammonia 200.7, 6010C RSK_175 - Dissolved gases 9060A - TOC SM4500_S2_F - sulfide 353.2, 353.2 Nitrite, Nitrate, Calc 310.2 - alkalinity 3500_Fe+3_D_Cal_3500_Fe_D 200.7, 6010C 300.0_28D - (MOD) Sulfate/Chloride Total Number of containers		Special Instructions/Note: 480-182886 Chain of Custody	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed) ☐ Return To Client ☒ Disposal By Lab Special Instructions/QC Requirements:		Sample Disposal (A fee may be assessed) ☐ Return To Client ☒ Disposal By Lab Special Instructions/QC Requirements:	
Empty Kit Relinquished by: Relinquished by: Relinquished by: Relinquished by:		Method of Shipment: Date/Time: Date/Time: Date/Time:		Date/Time: Date/Time: Date/Time:	
Custody Seal Intact: Yes No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 9.1 #1	

Chain of Custody Record



Client Information		Sampler: Tony Ye		Lab PM: Fischer, Brian J	Carrier Tracking No(s): 480-157799-3450.1	COC No:	
Client Contact: Mr. Dino Zack		Phone: 716 866 8222 (Comp)		E-Mail: Brian.Fischer@Eurofinset.com	State of Origin:	Page: Page 1 of 3	
Company: AECOM		PWSID		Analysis Requested			
Address: 257 West Genesee Street Suite 400		Due Date Requested:		Preservation Codes:			
City: Buffalo		TAT Requested (days):		A - HCL M - Hexane			
State: NY		Compliance Project: STD		B - NaOH N - None			
Zip: 14202-2657		Purchase Order not requir		C - Zn Acetate O - AsNaO2			
Phone:		PO #:		D - Nitric Acid P - Na2SO4			
Email: dino.zack@aecom.com		WO #:		E - NaHSO4 R - Na2SO3			
Project Name: Scott Figgie - GW		Project #:		F - MeOH G - H2SO4			
Site: New York		SSOW#:		H - Ascorbic Acid T - TSP Dodecahydrate			
				I - Ice U - Acetone			
				J - DI Water V - MCAA			
				K - EDTA W - pH 4-5			
				L - EDA Z - other (specify)			
				Other:			
Sample Identification		Sample Date		Sample Time		Sample Type	
MW-2		4/6/21		1304		G	
MW-8		4/6/21		1550		G	
MW-9		4/6/21		1355		G	
MW-11							
MW-12							
MW-13D							
MW-16S							
MW-16D							
DPE-1							
DPE-2							
Possible Hazard Identification		Flammable		Skin Irritant		Poison B	
Deliverable Requested: I, II, III, IV, Other (specify)		Unknown		Radiological		Other (specify)	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: TONY YE/AECOM		Date/Time: 4/10/21 16:00		Date/Time: 4/15/21 16:00		Company: AECOM	
Relinquished by: TONY YE/AECOM		Date/Time: 4/10/21 16:30		Date/Time: 4/15/21 16:00		Company: AECOM	
Relinquished by: TONY YE/AECOM		Date/Time: 4/10/21 16:30		Date/Time: 4/15/21 16:00		Company: AECOM	
Custody Seals Intact:		Custody Seal No.:		Special Instructions/Note:		Special Instructions/Note:	
A Yes A No		506 #1		VOC per PO		VOC per PO	

Chain of Custody Record

Client Information		Sampler: <u>Tony Ye</u>		Lab PM	Carrier Tracking No(s):		COC No:	
Client Contact:		Phone: <u>716 844 8222 (D/NB)</u>		Fischer, Brian J	State of Origin: <u>NY</u>		480-157799-3450.2	
Company:		E-Mail: <u>Brian.Fischer@Eurofinset.com</u>		Analysis Requested		Page 2 of 3		Job #:
Address:		Due Date Requested:		TAT Requested (days): <u>STD</u>		Preservation Codes:		
City:		Compliance Project: ☐ Yes ☒ No		PO #:		A - HCL		M - Hexane
State, Zip:		Purchase Order not requir		WO #:		B - NaOH		N - None
Phone:		Project #:		SSOW#:		C - Zn Acetate		O - AsNaO2
Email:		48002539				D - Nitric Acid		P - Na2O4S
Project Name:		Sample Date		Sample Time		E - NaHSO4		Q - Na2SO3
Site:		Sample Date		Sample Time		F - MeOH		R - Na2S2O3
New York		Sample Date		Sample Time		G - Amchlor		S - H2SO4
		Sample Date		Sample Time		H - Ascorbic Acid		T - TSP Dodecahydrate
		Sample Date		Sample Time		I - Ice		U - Acetone
		Sample Date		Sample Time		J - DI Water		V - MCAA
		Sample Date		Sample Time		K - EDTA		W - pH 4-5
		Sample Date		Sample Time		L - EDA		Z - other (specify)
		Sample Date		Sample Time		Other:		
Sample Identification		Sample Date		Sample Time		Matrix		Special Instructions/Note:
DPE-3		4/6/21		1500		Water		
DPE-4		4/6/21		1313		Water		
DPE-5		4/6/21		1313		Water		
DPE-6		4/6/21		1313		Water		
DPE-7		4/6/21		1313		Water		
DPE-8		4/6/21		1313		Water		
GWCL		4/6/21		1313		Water		
DUPLICATE		4/6/21		1313		Water		
RANGE-BLANK		4/6/21		1313		Water		
MW-3		4/6/21		1313		Water		
MW-14S		4/6/21		1313		Water		
Possible Hazard Identification		Sample Date		Sample Time		Matrix		Special Instructions/Note:
Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐		4/6/21		1500		Water		
Deliverable Requested: I, II, III, IV, Other (specify)		4/6/21		1313		Water		
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:		
Relinquished by:		Date/Time:		Date/Time:		Date/Time:		
Relinquished by:		Date/Time:		Date/Time:		Date/Time:		
Relinquished by:		Date/Time:		Date/Time:		Date/Time:		
Custody Seals Intact: ☐ Yes ☒ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks		Special Instructions/OC Requirements:		

Chain of Custody Record



Client Information Client Contact: Mr. Dino Zack Company: AECOM Address: 257 West Genesee Street Suite 400 City: Buffalo State, Zip: NY, 14202-2657 Phone: [blank] Email: dino.zack@aecom.com Project Name: Scott Figgie - GW Site: New York		Sampler: Tony Ye Phone: 716-866-8222 (DND) PWSID: [blank]	Lab PM: Fischer, Brian J E-Mail: Brian.Fischer@Eurofinset.com	Carrier Tracking No(s): State of Origin: NY	COC No: 480-157799-3450.3 Page: Page 3 of 3 Job #: [blank]
Due Date Requested: TAT Requested (days): STD Compliance Project: Yes No PO #: [blank] Purchase Order not required WO #: [blank] Project #: 48002539 SSOW #: [blank]		Analysis Requested			
Sample Identification Sample Date: 4/6/21 0700 Sample Time: 0700 Sample Type (C=Comp, G=grab): G Matrix (W=water, S=solid, On=soil, BT=issue, A=air): Water		Field Filtered Sample (Yes or No) [X] Perform MS/MSD (Yes or No) [X] 8260C - TCL list OLM04.2 [X] 9060A - (MOD) Local Method [X] 8260C - (MOD) TCL list OLM04.2 [X]			
Total Number of Containers: [blank]		Special Instructions/Note: VOC per PO			
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: [blank]		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by: [blank]					
Relinquished by: [blank]					
Relinquished by: [blank]					
Relinquished by: [blank]					
Custody Seals Intact: Yes No Custody Seal No.: [blank]					
Cooler Temperature(s) °C and Other Remarks: [blank]					

Chain of Custody Record

Client Information						Lab PM: Fischer, Brian J		Carrier Tracking No(s) 480-157793-27848.1		COC No:								
Client Contact: Mr. Dino Zack						E-Mail: Brian.Fischer@Euroinset.com		State of Origin: NY		Page: Page 1 of 1								
Company: AECON						PWSID:		Job #:										
Address: 257 West Genesee Street Suite 400 Buffalo NY, 14202-2657						Due Date Requested:		Analysis Requested		Preservation Codes:								
City: Buffalo						TAT Requested (days): STD				A - HCL M - Hexane B - NaOH N - None O - AsNaO2 C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Z - other (specify)								
Compliance Project: Yes \ No						PO #: 87648												
Project #: 60538931						WO #:												
Project Name: Scott Figgie West of Plant 2 - MNA						SSOW#:												
Site: New York																		
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=other)	Field Filtered Sample (Yes or No)	Risk, 175 CO2 D5-CO2	350.1 ammonia	RSK, 175 Dissolved gases	9060A TOC	SMA500 S2 F sulfide	352.3, 353.2 Nitrite, Nitrate, Calc	310.2 alkalinity	3500 Fe+3, D.Cal, 3500 FE_D	200.7, 6010C	300.0, 280 (MOD) Sulfate/Chloride	Total Number of containers	Special Instructions/Note:
MW-8R		4/7/21	1502	G	Water	X	N	S	D	A	CB	N	N	N	N	N		
MW-13S		4/7/21	1142	G	Water	X	N	S	D	A	CB	N	N	N	N	N		
MW-16D		4/7/21	1086	G	Water	X	N	S	D	A	CB	N	N	N	N	N		
																		
480-182976 Chain of Custody																		
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify) _____																		
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months																		
Special Instructions/QC Requirements:																		
Empty Kit Relinquished by:																		
Relinquished by: TONY, YE						Date: 04/07/2021		Company: AECON		Received by: [Signature]		Date/Time: 4/12/21 1730		Company: [Signature]		Cooler Temperature(s) °C and Other Remarks: 3-23		
Relinquished by: [Signature]						Date/Time: @ 1730		Company:		Received by:		Date/Time:		Company:				
Relinquished by:						Date/Time:		Company:		Received by:		Date/Time:		Company:				
Custody Seals Intact: YES						Custody Seal No.: 1												

Chain of Custody Record



Client Information Client Contact: Mr. Dino Zack Company: AECOM Address: 257 West Genesee Street Suite 400 City: Buffalo State, Zip: NY, 14202-2657 Phone: 716 866 8222 Email: dino.zack@aecom.com Project Name: Scott Figgie - GW Site: New York		Lab PM: Fischer, Brian J E-Mail: Brian.Fischer@Eurofins.com Carrier Tracking No(s): State of Origin: NY Page: Page 2 of 3 Job #:		COC No: 480-157799-3450.2 Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Due Date Requested: TAT Requested (days): STD Compliance Project: Δ Yes Δ No PO #: Purchase Order not requir WO #:		Analysis Requested Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No) 8260C - TCL list OLM4.2 9060A - (MOD) Local Method 8260C - (MOD) TCL list OLM4.2 Total Number of containers		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Identification Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Water, Residue, Overstall, BT-Tissue, AAAR) Preservation Code:		Special Instructions/Note: 480-182978 Chain of Custody		Special Instructions/Note: 480-182978 Chain of Custody	
DPE-3 DPE-4 DPE-5 DPE-6 DPE-7 DPE-8 GWCT DUPLICATE RINSE BLANK MW-14S		4/7/21 1045 4/7/21 1100 4/7/21 1015 4/7/21 1115 4/7/21 1130 4/7/21 1200 4/7/21 0815 4/7/21 845 4/7/21 1430		G G G G G G G G G G G	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months		Special Instructions/QC Requirements:	
Empty Kit Relinquished by: TONY, YE Relinquished by: TONY, YE Relinquished by: TONY, YE Relinquished by: TONY, YE		Date: 04/07/2021 Date/Time: 091730 Date/Time: 091730 Date/Time: 091730		Method of Shipment: Date/Time: 4/7/21 1730 Date/Time: 4/7/21 1730 Date/Time: 4/7/21 1730	
Custody Seals Intact: Δ Yes Δ No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Company: AECOM Company: AECOM Company: AECOM Company: AECOM	

Chain of Custody Record



Client Information Client Contact: Mr. Dino Zack Company: AECOM Address: 257 West Genesee Street, Suite 400 City: Buffalo State: NY, Zip: 14202-2657 Phone: 716 866 8222 Email: dino.zack@aecom.com Project Name: Scott Figgle - GW Site: New York		Lab PM: Fischer, Brian J E-Mail: Brian.Fischer@Eurofinset.com PWSID:		Sampler: DLZ JY Phone: 716 866 8222 Due Date Requested:		Carrier Tracking No(s): 480-157799-3450.1 State of Origin: NY Page: 1 of 3 Job #:																					
TAT Requested (days): STD Compliance Project: ☒ Yes ☐ No PO #: Purchase Order not required WO #:		Analysis Requested		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify) Other:		Special Instructions/Note:																					
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, B=solid, O=soil, B1=biomass, A=air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		8260C - TCL BSL OLM04.2		9060A - (MOD) Local Method		8260C - (MOD) TCL BSL OLM04.2		Total Number of containers		Special Instructions/Note:					
MW-2		4/7/21		1502		G		Water		☒		☒		☒		☒		☒		☒		X					
MW-4		4/7/21		1142		G		Water		☒		☒		☒		☒		☒		☒		☒					
MW-8R		4/7/21		0110		G		Water		☒		☒		☒		☒		☒		☒		☒					
MW-9		4/7/21		1026		G		Water		☒		☒		☒		☒		☒		☒		☒					
MW-13S		4/7/21		1000		G		Water		☒		☒		☒		☒		☒		☒		☒					
MW-13D		4/7/21		1030		G		Water		☒		☒		☒		☒		☒		☒		☒					
MW-16D		4/7/21		1000		G		Water		☒		☒		☒		☒		☒		☒		☒					
DPE-1		4/7/21		1030		G		Water		☒		☒		☒		☒		☒		☒		☒					
DPE-2		4/7/21		1030		G		Water		☒		☒		☒		☒		☒		☒		☒					
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For Months		Special Instructions/QC Requirements:		Method of Shipment:		Date/Time:		Company:		Date/Time:		Company:											
Relinquished by: TONY YE		Date/Time: 04/07/2021		Company: AELOU		Received by:		Date/Time:		Company:		Date/Time:		Company:		Date/Time:		Company:									
Relinquished by:		Date/Time: 04/17/20		Company:		Received by:		Date/Time:		Company:		Date/Time:		Company:		Date/Time:		Company:									
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:		Date/Time:		Company:		Date/Time:		Company:									
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 3.9 #1		Ver: 11/01/2020		Date:		Time:		Date/Time:		Company:		Date/Time:		Company:									

Chain of Custody Record

Client Information Client Contact: Mr. Dino Zack Company: AECOM Address: 257 West Genesee Street Suite 400 City: Buffalo State: NY Zip: 14202-2657 Phone: 716 866 8222 Email: dino.zack@aecom.com Project Name: Scott Figgie - GW Site: New York		Sampler: Lab PM Fischer, Brian J Phone: 716 866 8222 E-Mail: Brian.Fischer@Eurofinset.com PWSID:		Carrier Tracking No(s): COC No: 480-157799-3450.3 State of Origin: NY Page: Page 3 of 3 Job #:	
Analysis Requested Due Date Requested: TAT Requested (days): Compliance Project: ☐ Yes ☐ No PO #: Purchase Order not requir WO #: 48002539 Project #: SSOW#:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, D=dewastoll, BT=tissue, AS=air)		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8260C - TCL list OLM04.2 9060A - (MOD) Local Method 8260C - (MOD) TCL list OLM04.2 Total Number of containers			
MW-14D MW-45G MW-15D Trip Blank Trip Blank Trip Blank		4/7/21 1512 G 4/7/21 0700 G Water Water Water Water Water Water			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:			
Empty Kit Relinquished by: Tony, YE Relinquished by: 4/10/2021 Relinquished by: @1730 Relinquished by:		Method of Shipment: Date: Received by: AECOM Company: AECOM Date/Time: 4/12/21 1730 Date/Time:			
Custody Seals Intact: ☐ Yes ☐ No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

Chain of Custody Record



Client Information		Lab PM:		Carrier Tracking No(s):		COC No:					
Mr. Dino Zack		Fischer, Brian J		State of Origin: NX		480-157793-27848.1					
Company: AECOM		E-Mail: Brian.Fischer@Eurofinset.com		Page: Page 1 of 1		Job #:					
Address: 257 West Genesee Street, Suite 400		Due Date Requested:		Analysis Requested							
City: Buffalo		TAT Requested (days): STD		Total Number of Containers							
State, Zip: NY, 14202-2657		Compliance Project: Yes ☐ No ☐		Preservation Codes:							
Phone: 716 866 8222		PO #: 87648		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:							
Email: dino.zack@aecom.com		WO #: 60538931		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)							
Project Name: Scott Figgie West of Plant 2 - MNA		Project #: 48002539		Special Instructions/Note:							
Site: New York		SSOW#:		480-183060 Chain of Custody							
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, B=solid, O=other, SI=Test, As=AI)		Preservation Code	
MW-14								Water		X	
MW-15								Water		X	
MW-16S		4/9/21		0630		G		Water		X	
MW-18B								Water		X	
MW-11		4/9/21		0630		G		Water		X	
Trip								Water		X	
Possible Hazard Identification		Non-Hazard ☒ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐		Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if's)		Return To Client ☐ Disposal By Lab ☒		Archive For Months	
Empty Kit Relinquished by:		Date:		Time:		Special Instructions/QC Requirements:		480-183060 Chain of Custody		480-183060 Chain of Custody	
Relinquished by: <i>[Signature]</i>		Date/Time: 4/9/21 0715 hrs		Company: <i>[Signature]</i>		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 2.8 #1		Date/Time: 4/9/21 0715		Company: TA		4/9/21 0715	

[illegible]

Chain of Custody Record



Client Information		Sampler: <u>BE/TY</u>		Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-157799-3450.1				
Client Contact: Mr. Dino Zack		Phone: <u>716-866-8222</u>		E-Mail: Brian.Fischer@Eurofinset.com	State of Origin: <u>NY</u>	Page: Page 1 of 3				
Company: AECOM		PW/SID:		Job #:						
Address: 257 West Genesee Street Suite 400		Due Date Requested:		Analysis Requested						
City: Buffalo		TAT Requested (days): <u>STD</u>		Preservation Codes:						
State: NY		Compliance Project: ☐ Yes ☒ No		Barcode:						
Phone: <u>716-866-8222</u>		PO #: Purchase Order not required		480-183063 Chain of Custody						
Email: dino.zack@aecom.com		WO #:		V - MLAA W - pH 4-5 Z - other (specify)						
Project Name: Scott Figgie - GW		Project #: 48002539		Other:						
Site: New York		SSOW#:		Total Number of Containers						
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, On-water, Off-water, BI=issue, A=air)	Field Filtered Sample (Yes or No)	Form MS/MSD (Yes or No)	8260C - TCL list OLM04.2	9060A - (MOD) Local Method	8260C - (MOD) TCL list OLM04.2	Special Instructions/Note:
~~MW-1~~				Water						
MW-4	<u>11/18/21</u>	<u>0846 G</u>		Water				<u>XX</u>		
MW-6R				Water						
MW-9				Water						
MW-11				Water						
MW-13S				Water						
MW-16B				Water						
MW-16S				Water						
MW-16B				Water						
DE-1				Water						
DE-2				Water						
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)										
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months										
Special Instructions/QC Requirements:										
Empty Kit Relinquished by: <u>Donny Ye</u> Date: <u>04/08/2021</u> Company: <u>AECOM</u> Relinquished by: <u>tye</u> Date: <u>04/15/20</u> Company: <u>AECOM</u> Relinquished by: _____ Date: _____ Company: _____										
Custody Seals Intact: ☐ Yes ☒ No Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: <u>#1 25</u>										

Ver 11/1/2020

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-182886-1

Login Number: 182886

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-182886-1

Login Number: 182886
List Number: 2
Creator: Zenie, Matthew J

List Source: Eurofins TestAmerica, Burlington
List Creation: 04/08/21 01:10 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-182886-1

Login Number: 182887

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.6 #1 Ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	No MW-11 recieved
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-182886-1

Login Number: 182976
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-182886-1

Login Number: 182976
List Number: 2
Creator: Cunningham, Caroline R

List Source: Eurofins TestAmerica, Burlington
List Creation: 04/10/21 02:55 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.3°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-182886-1

Login Number: 182978

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-182886-1

Login Number: 183060

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-182886-1

Login Number: 183060
List Number: 2
Creator: Cunningham, Caroline R

List Source: Eurofins TestAmerica, Burlington
List Creation: 04/10/21 02:55 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.3°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-182886-1

Login Number: 183062
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-182886-1

Login Number: 183062
List Number: 2
Creator: Cunningham, Caroline R

List Source: Eurofins TestAmerica, Burlington
List Creation: 04/10/21 03:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.3°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-182886-1

Login Number: 183063
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



10515 Research Drive
Knoxville, TN 37932
Phone: (865) 573-8188
Fax: (865) 573-8133



Client: Dino Zack
AECOM
257 W. Genesee Street
Suite 400
Buffalo, NY 14203

Phone: 716-856-4506

Fax:

Identifier: 018SD

Date Rec: 04/07/2021

Report Date: 04/12/2021

Client Project #: 60538931-1

Client Project Name: Scott Figgie - West of Plant 2

Purchase Order #: 118651

Test results provided for: CENSUS

Reviewed By:

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Results relate only to the items tested and the sample(s) as received by the laboratory.

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: AECOM
Project: Scott Figgie - West of Plant 2

MI Project Number: 018SD
Date Received: 04/07/2021

Sample Information

Client Sample ID:	MW-4	MW-16S
Sample Date:	04/06/2021	04/06/2021
Units:	cells/bead	cells/bead
Analyst/Reviewer:	HT/CS	HT/CS

Dechlorinating Bacteria

<i>Dehalococcoides</i>	DHC	5.52E+03	1.26E+04
tceA Reductase	TCE	6.32E+02	1.63E+03
BAV1 Vinyl Chloride Reductase	BVC	9.49E+01	2.84E+02
Vinyl Chloride Reductase	VCR	7.40E+01	1.99E+02

Legend:

NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

Quality Assurance/Quality Control Data

Samples Received 4/7/2021

Component	Date Prepared	Date Analyzed	Arrival Temperature	Positive Control	Extraction Blank	Negative Control
BVC	04/07/2021	04/12/2021	1 °C	102%	non-detect	non-detect
TCE	04/07/2021	04/12/2021	1 °C	102%	non-detect	non-detect
VCR	04/07/2021	04/12/2021	1 °C	105%	non-detect	non-detect
DHC	04/07/2021	04/12/2021	1 °C	106%	non-detect	non-detect

ANALYTICAL REPORT

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

Laboratory Job ID: 200-57969-1

Client Project/Site: Scott Figgie West of Plant 2

For:

AECOM
257 West Genesee Street
Suite 400
Buffalo, New York 14202-2657

Attn: Mr. Dino Zack



Authorized for release by:

4/13/2021 10:54:55 AM

Rebecca Jones, Project Management Assistant I

Rebecca.Jones@Eurofinset.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835

Brian.Fischer@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Lab Chronicle	11
Certification Summary	12
Method Summary	13
Sample Summary	14
Chain of Custody	15
Receipt Checklists	17



Definitions/Glossary

Client: AECOM

Job ID: 200-57969-1

Project/Site: Scott Figgie West of Plant 2

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 200-57969-1

Job ID: 200-57969-1

Laboratory: Eurofins TestAmerica, Burlington

Narrative

Job Narrative
200-57969-1

Comments

No additional comments.

Receipt

The samples were received on 4/7/2021 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Air Toxics

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 200-57969-1

Client Sample ID: 2 Q21 AS

Lab Sample ID: 200-57969-1

Date Collected: 04/06/21 09:10

Matrix: Air

Date Received: 04/07/21 10:40

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,1,2-Trichloroethane	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,1-Dichloroethane	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,1-Dichloroethene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ppb v/v			04/09/21 16:34	1
1,2,4-Trimethylbenzene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,2-Dibromoethane	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,2-Dichlorobenzene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,2-Dichloroethane	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,2-Dichloroethene, Total	5.4		0.40	0.40	ppb v/v			04/09/21 16:34	1
1,2-Dichloropropane	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,3,5-Trimethylbenzene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,3-Butadiene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,3-Dichlorobenzene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,4-Dichlorobenzene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
1,4-Dioxane	ND		5.0	5.0	ppb v/v			04/09/21 16:34	1
2,2,4-Trimethylpentane	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
2-Chlorotoluene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
3-Chloropropene	ND		0.50	0.50	ppb v/v			04/09/21 16:34	1
4-Ethyltoluene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Acetone	ND		5.0	5.0	ppb v/v			04/09/21 16:34	1
Benzene	0.26		0.20	0.20	ppb v/v			04/09/21 16:34	1
Bromodichloromethane	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Bromoform	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Bromomethane	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Carbon disulfide	ND		0.50	0.50	ppb v/v			04/09/21 16:34	1
Carbon tetrachloride	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Chlorobenzene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Chloroethane	5.1		0.50	0.50	ppb v/v			04/09/21 16:34	1
Chloroform	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Chloromethane	0.75		0.50	0.50	ppb v/v			04/09/21 16:34	1
cis-1,2-Dichloroethene	3.6		0.20	0.20	ppb v/v			04/09/21 16:34	1
cis-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Cyclohexane	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Dibromochloromethane	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Dichlorodifluoromethane	ND		0.50	0.50	ppb v/v			04/09/21 16:34	1
Ethylbenzene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Freon TF	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Hexachlorobutadiene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Isopropyl alcohol	ND		5.0	5.0	ppb v/v			04/09/21 16:34	1
m,p-Xylene	ND		0.50	0.50	ppb v/v			04/09/21 16:34	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50	ppb v/v			04/09/21 16:34	1
Methyl Ethyl Ketone	0.63		0.50	0.50	ppb v/v			04/09/21 16:34	1
methyl isobutyl ketone	ND		0.50	0.50	ppb v/v			04/09/21 16:34	1
Methyl tert-butyl ether	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 200-57969-1

Client Sample ID: 2 Q21 AS

Lab Sample ID: 200-57969-1

Date Collected: 04/06/21 09:10

Matrix: Air

Date Received: 04/07/21 10:40

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.50	0.50	ppb v/v			04/09/21 16:34	1
n-Heptane	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
n-Hexane	0.46		0.20	0.20	ppb v/v			04/09/21 16:34	1
Styrene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
tert-Butyl alcohol	ND		5.0	5.0	ppb v/v			04/09/21 16:34	1
Tetrachloroethene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Tetrahydrofuran	ND		5.0	5.0	ppb v/v			04/09/21 16:34	1
Toluene	0.61		0.20	0.20	ppb v/v			04/09/21 16:34	1
trans-1,2-Dichloroethene	1.8		0.20	0.20	ppb v/v			04/09/21 16:34	1
trans-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Trichloroethene	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1
Trichlorofluoromethane	0.22		0.20	0.20	ppb v/v			04/09/21 16:34	1
Vinyl chloride	0.24		0.20	0.20	ppb v/v			04/09/21 16:34	1
Xylene (total)	ND		0.70	0.70	ppb v/v			04/09/21 16:34	1
Xylene, o-	ND		0.20	0.20	ppb v/v			04/09/21 16:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1	1.1	ug/m3			04/09/21 16:34	1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4	ug/m3			04/09/21 16:34	1
1,1,2-Trichloroethane	ND		1.1	1.1	ug/m3			04/09/21 16:34	1
1,1-Dichloroethane	ND		0.81	0.81	ug/m3			04/09/21 16:34	1
1,1-Dichloroethene	ND		0.79	0.79	ug/m3			04/09/21 16:34	1
1,2,4-Trichlorobenzene	ND		3.7	3.7	ug/m3			04/09/21 16:34	1
1,2,4-Trimethylbenzene	ND		0.98	0.98	ug/m3			04/09/21 16:34	1
1,2-Dibromoethane	ND		1.5	1.5	ug/m3			04/09/21 16:34	1
1,2-Dichlorobenzene	ND		1.2	1.2	ug/m3			04/09/21 16:34	1
1,2-Dichloroethane	ND		0.81	0.81	ug/m3			04/09/21 16:34	1
1,2-Dichloroethene, Total	21		1.6	1.6	ug/m3			04/09/21 16:34	1
1,2-Dichloropropane	ND		0.92	0.92	ug/m3			04/09/21 16:34	1
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4	ug/m3			04/09/21 16:34	1
1,3,5-Trimethylbenzene	ND		0.98	0.98	ug/m3			04/09/21 16:34	1
1,3-Butadiene	ND		0.44	0.44	ug/m3			04/09/21 16:34	1
1,3-Dichlorobenzene	ND		1.2	1.2	ug/m3			04/09/21 16:34	1
1,4-Dichlorobenzene	ND		1.2	1.2	ug/m3			04/09/21 16:34	1
1,4-Dioxane	ND		18	18	ug/m3			04/09/21 16:34	1
2,2,4-Trimethylpentane	ND		0.93	0.93	ug/m3			04/09/21 16:34	1
2-Chlorotoluene	ND		1.0	1.0	ug/m3			04/09/21 16:34	1
3-Chloropropene	ND		1.6	1.6	ug/m3			04/09/21 16:34	1
4-Ethyltoluene	ND		0.98	0.98	ug/m3			04/09/21 16:34	1
Acetone	ND		12	12	ug/m3			04/09/21 16:34	1
Benzene	0.83		0.64	0.64	ug/m3			04/09/21 16:34	1
Bromodichloromethane	ND		1.3	1.3	ug/m3			04/09/21 16:34	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.87	ug/m3			04/09/21 16:34	1
Bromoform	ND		2.1	2.1	ug/m3			04/09/21 16:34	1
Bromomethane	ND		0.78	0.78	ug/m3			04/09/21 16:34	1
Carbon disulfide	ND		1.6	1.6	ug/m3			04/09/21 16:34	1
Carbon tetrachloride	ND		1.3	1.3	ug/m3			04/09/21 16:34	1
Chlorobenzene	ND		0.92	0.92	ug/m3			04/09/21 16:34	1
Chloroethane	13		1.3	1.3	ug/m3			04/09/21 16:34	1

Eurofins TestAmerica, Burlington

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 200-57969-1

Client Sample ID: 2 Q21 AS

Lab Sample ID: 200-57969-1

Date Collected: 04/06/21 09:10

Matrix: Air

Date Received: 04/07/21 10:40

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.98	0.98	ug/m3			04/09/21 16:34	1
Chloromethane	1.6		1.0	1.0	ug/m3			04/09/21 16:34	1
cis-1,2-Dichloroethene	14		0.79	0.79	ug/m3			04/09/21 16:34	1
cis-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			04/09/21 16:34	1
Cyclohexane	ND		0.69	0.69	ug/m3			04/09/21 16:34	1
Dibromochloromethane	ND		1.7	1.7	ug/m3			04/09/21 16:34	1
Dichlorodifluoromethane	ND		2.5	2.5	ug/m3			04/09/21 16:34	1
Ethylbenzene	ND		0.87	0.87	ug/m3			04/09/21 16:34	1
Freon TF	ND		1.5	1.5	ug/m3			04/09/21 16:34	1
Hexachlorobutadiene	ND		2.1	2.1	ug/m3			04/09/21 16:34	1
Isopropyl alcohol	ND		12	12	ug/m3			04/09/21 16:34	1
m,p-Xylene	ND		2.2	2.2	ug/m3			04/09/21 16:34	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0	ug/m3			04/09/21 16:34	1
Methyl Ethyl Ketone	1.9		1.5	1.5	ug/m3			04/09/21 16:34	1
methyl isobutyl ketone	ND		2.0	2.0	ug/m3			04/09/21 16:34	1
Methyl tert-butyl ether	ND		0.72	0.72	ug/m3			04/09/21 16:34	1
Methylene Chloride	ND		1.7	1.7	ug/m3			04/09/21 16:34	1
n-Heptane	ND		0.82	0.82	ug/m3			04/09/21 16:34	1
n-Hexane	1.6		0.70	0.70	ug/m3			04/09/21 16:34	1
Styrene	ND		0.85	0.85	ug/m3			04/09/21 16:34	1
tert-Butyl alcohol	ND		15	15	ug/m3			04/09/21 16:34	1
Tetrachloroethene	ND		1.4	1.4	ug/m3			04/09/21 16:34	1
Tetrahydrofuran	ND		15	15	ug/m3			04/09/21 16:34	1
Toluene	2.3		0.75	0.75	ug/m3			04/09/21 16:34	1
trans-1,2-Dichloroethene	7.3		0.79	0.79	ug/m3			04/09/21 16:34	1
trans-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			04/09/21 16:34	1
Trichloroethene	ND		1.1	1.1	ug/m3			04/09/21 16:34	1
Trichlorofluoromethane	1.2		1.1	1.1	ug/m3			04/09/21 16:34	1
Vinyl chloride	0.61		0.51	0.51	ug/m3			04/09/21 16:34	1
Xylene (total)	ND		3.0	3.0	ug/m3			04/09/21 16:34	1
Xylene, o-	ND		0.87	0.87	ug/m3			04/09/21 16:34	1

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 200-57969-1

Client Sample ID: 2 Q21 LRP

Lab Sample ID: 200-57969-2

Date Collected: 04/06/21 09:00

Matrix: Air

Date Received: 04/07/21 10:40

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,1,2,2-Tetrachloroethane	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,1,2-Trichloroethane	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,1-Dichloroethane	2.5		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,1-Dichloroethene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,2,4-Trichlorobenzene	ND		2.0	2.0	ppb v/v			04/09/21 17:29	4
1,2,4-Trimethylbenzene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,2-Dibromoethane	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,2-Dichlorobenzene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,2-Dichloroethane	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,2-Dichloroethene, Total	95		1.6	1.6	ppb v/v			04/09/21 17:29	4
1,2-Dichloropropane	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,2-Dichlorotetrafluoroethane	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,3,5-Trimethylbenzene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,3-Butadiene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,3-Dichlorobenzene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,4-Dichlorobenzene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
1,4-Dioxane	ND		20	20	ppb v/v			04/09/21 17:29	4
2,2,4-Trimethylpentane	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
2-Chlorotoluene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
3-Chloropropene	ND		2.0	2.0	ppb v/v			04/09/21 17:29	4
4-Ethyltoluene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Acetone	ND		20	20	ppb v/v			04/09/21 17:29	4
Benzene	1.1		0.80	0.80	ppb v/v			04/09/21 17:29	4
Bromodichloromethane	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Bromoethene(Vinyl Bromide)	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Bromoform	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Bromomethane	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Carbon disulfide	5.5		2.0	2.0	ppb v/v			04/09/21 17:29	4
Carbon tetrachloride	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Chlorobenzene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Chloroethane	5.2		2.0	2.0	ppb v/v			04/09/21 17:29	4
Chloroform	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Chloromethane	ND		2.0	2.0	ppb v/v			04/09/21 17:29	4
cis-1,2-Dichloroethene	95		0.80	0.80	ppb v/v			04/09/21 17:29	4
cis-1,3-Dichloropropene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Cyclohexane	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Dibromochloromethane	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Dichlorodifluoromethane	ND		2.0	2.0	ppb v/v			04/09/21 17:29	4
Ethylbenzene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Freon TF	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Hexachlorobutadiene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Isopropyl alcohol	ND		20	20	ppb v/v			04/09/21 17:29	4
m,p-Xylene	ND		2.0	2.0	ppb v/v			04/09/21 17:29	4
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0	ppb v/v			04/09/21 17:29	4
Methyl Ethyl Ketone	ND		2.0	2.0	ppb v/v			04/09/21 17:29	4
methyl isobutyl ketone	ND		2.0	2.0	ppb v/v			04/09/21 17:29	4
Methyl tert-butyl ether	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4

Eurofins TestAmerica, Burlington

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 200-57969-1

Client Sample ID: 2 Q21 LRP

Lab Sample ID: 200-57969-2

Date Collected: 04/06/21 09:00

Matrix: Air

Date Received: 04/07/21 10:40

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		2.0	2.0	ppb v/v			04/09/21 17:29	4
n-Heptane	0.97		0.80	0.80	ppb v/v			04/09/21 17:29	4
n-Hexane	1.5		0.80	0.80	ppb v/v			04/09/21 17:29	4
Styrene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
tert-Butyl alcohol	ND		20	20	ppb v/v			04/09/21 17:29	4
Tetrachloroethene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Tetrahydrofuran	ND		20	20	ppb v/v			04/09/21 17:29	4
Toluene	1.2		0.80	0.80	ppb v/v			04/09/21 17:29	4
trans-1,2-Dichloroethene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
trans-1,3-Dichloropropene	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Trichloroethene	8.1		0.80	0.80	ppb v/v			04/09/21 17:29	4
Trichlorofluoromethane	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4
Vinyl chloride	42		0.80	0.80	ppb v/v			04/09/21 17:29	4
Xylene (total)	ND		2.8	2.8	ppb v/v			04/09/21 17:29	4
Xylene, o-	ND		0.80	0.80	ppb v/v			04/09/21 17:29	4

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	11		4.4	4.4	ug/m3			04/09/21 17:29	4
1,1,2,2-Tetrachloroethane	ND		5.5	5.5	ug/m3			04/09/21 17:29	4
1,1,2-Trichloroethane	ND		4.4	4.4	ug/m3			04/09/21 17:29	4
1,1-Dichloroethane	10		3.2	3.2	ug/m3			04/09/21 17:29	4
1,1-Dichloroethene	ND		3.2	3.2	ug/m3			04/09/21 17:29	4
1,2,4-Trichlorobenzene	ND		15	15	ug/m3			04/09/21 17:29	4
1,2,4-Trimethylbenzene	ND		3.9	3.9	ug/m3			04/09/21 17:29	4
1,2-Dibromoethane	ND		6.1	6.1	ug/m3			04/09/21 17:29	4
1,2-Dichlorobenzene	ND		4.8	4.8	ug/m3			04/09/21 17:29	4
1,2-Dichloroethane	ND		3.2	3.2	ug/m3			04/09/21 17:29	4
1,2-Dichloroethene, Total	380		6.3	6.3	ug/m3			04/09/21 17:29	4
1,2-Dichloropropane	ND		3.7	3.7	ug/m3			04/09/21 17:29	4
1,2-Dichlorotetrafluoroethane	ND		5.6	5.6	ug/m3			04/09/21 17:29	4
1,3,5-Trimethylbenzene	ND		3.9	3.9	ug/m3			04/09/21 17:29	4
1,3-Butadiene	ND		1.8	1.8	ug/m3			04/09/21 17:29	4
1,3-Dichlorobenzene	ND		4.8	4.8	ug/m3			04/09/21 17:29	4
1,4-Dichlorobenzene	ND		4.8	4.8	ug/m3			04/09/21 17:29	4
1,4-Dioxane	ND		72	72	ug/m3			04/09/21 17:29	4
2,2,4-Trimethylpentane	ND		3.7	3.7	ug/m3			04/09/21 17:29	4
2-Chlorotoluene	ND		4.1	4.1	ug/m3			04/09/21 17:29	4
3-Chloropropene	ND		6.3	6.3	ug/m3			04/09/21 17:29	4
4-Ethyltoluene	ND		3.9	3.9	ug/m3			04/09/21 17:29	4
Acetone	ND		48	48	ug/m3			04/09/21 17:29	4
Benzene	3.5		2.6	2.6	ug/m3			04/09/21 17:29	4
Bromodichloromethane	ND		5.4	5.4	ug/m3			04/09/21 17:29	4
Bromoethene(Vinyl Bromide)	ND		3.5	3.5	ug/m3			04/09/21 17:29	4
Bromoform	ND		8.3	8.3	ug/m3			04/09/21 17:29	4
Bromomethane	ND		3.1	3.1	ug/m3			04/09/21 17:29	4
Carbon disulfide	17		6.2	6.2	ug/m3			04/09/21 17:29	4
Carbon tetrachloride	ND		5.0	5.0	ug/m3			04/09/21 17:29	4
Chlorobenzene	ND		3.7	3.7	ug/m3			04/09/21 17:29	4
Chloroethane	14		5.3	5.3	ug/m3			04/09/21 17:29	4

Eurofins TestAmerica, Burlington

Client Sample Results

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 200-57969-1

Client Sample ID: 2 Q21 LRP

Lab Sample ID: 200-57969-2

Date Collected: 04/06/21 09:00

Matrix: Air

Date Received: 04/07/21 10:40

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		3.9	3.9	ug/m3			04/09/21 17:29	4
Chloromethane	ND		4.1	4.1	ug/m3			04/09/21 17:29	4
cis-1,2-Dichloroethene	380		3.2	3.2	ug/m3			04/09/21 17:29	4
cis-1,3-Dichloropropene	ND		3.6	3.6	ug/m3			04/09/21 17:29	4
Cyclohexane	ND		2.8	2.8	ug/m3			04/09/21 17:29	4
Dibromochloromethane	ND		6.8	6.8	ug/m3			04/09/21 17:29	4
Dichlorodifluoromethane	ND		9.9	9.9	ug/m3			04/09/21 17:29	4
Ethylbenzene	ND		3.5	3.5	ug/m3			04/09/21 17:29	4
Freon TF	ND		6.1	6.1	ug/m3			04/09/21 17:29	4
Hexachlorobutadiene	ND		8.5	8.5	ug/m3			04/09/21 17:29	4
Isopropyl alcohol	ND		49	49	ug/m3			04/09/21 17:29	4
m,p-Xylene	ND		8.7	8.7	ug/m3			04/09/21 17:29	4
Methyl Butyl Ketone (2-Hexanone)	ND		8.2	8.2	ug/m3			04/09/21 17:29	4
Methyl Ethyl Ketone	ND		5.9	5.9	ug/m3			04/09/21 17:29	4
methyl isobutyl ketone	ND		8.2	8.2	ug/m3			04/09/21 17:29	4
Methyl tert-butyl ether	ND		2.9	2.9	ug/m3			04/09/21 17:29	4
Methylene Chloride	ND		6.9	6.9	ug/m3			04/09/21 17:29	4
n-Heptane	4.0		3.3	3.3	ug/m3			04/09/21 17:29	4
n-Hexane	5.4		2.8	2.8	ug/m3			04/09/21 17:29	4
Styrene	ND		3.4	3.4	ug/m3			04/09/21 17:29	4
tert-Butyl alcohol	ND		61	61	ug/m3			04/09/21 17:29	4
Tetrachloroethene	ND		5.4	5.4	ug/m3			04/09/21 17:29	4
Tetrahydrofuran	ND		59	59	ug/m3			04/09/21 17:29	4
Toluene	4.4		3.0	3.0	ug/m3			04/09/21 17:29	4
trans-1,2-Dichloroethene	ND		3.2	3.2	ug/m3			04/09/21 17:29	4
trans-1,3-Dichloropropene	ND		3.6	3.6	ug/m3			04/09/21 17:29	4
Trichloroethene	43		4.3	4.3	ug/m3			04/09/21 17:29	4
Trichlorofluoromethane	ND		4.5	4.5	ug/m3			04/09/21 17:29	4
Vinyl chloride	110		2.0	2.0	ug/m3			04/09/21 17:29	4
Xylene (total)	ND		12	12	ug/m3			04/09/21 17:29	4
Xylene, o-	ND		3.5	3.5	ug/m3			04/09/21 17:29	4

Lab Chronicle

Client: AECOM

Job ID: 200-57969-1

Project/Site: Scott Figgie West of Plant 2

Client Sample ID: 2 Q21 AS

Lab Sample ID: 200-57969-1

Date Collected: 04/06/21 09:10

Matrix: Air

Date Received: 04/07/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	165695	04/09/21 16:34	TPB	TAL BUR

Client Sample ID: 2 Q21 LRP

Lab Sample ID: 200-57969-2

Date Collected: 04/06/21 09:00

Matrix: Air

Date Received: 04/07/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		4	165695	04/09/21 17:29	TPB	TAL BUR

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: AECOM

Job ID: 200-57969-1

Project/Site: Scott Figgie West of Plant 2

Laboratory: Eurofins TestAmerica, Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23
Connecticut	State	PH-0751	09-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-16-21
Florida	NELAP	E87467	06-30-21
Minnesota	NELAP	050-999-436	12-31-21
New Hampshire	NELAP	2006	12-18-21
New Jersey	NELAP	VT972	06-30-21
New York	NELAP	10391	04-01-22
Pennsylvania	NELAP	68-00489	04-30-22
Rhode Island	State	LAO00298	12-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-22
Virginia	NELAP	460209	12-14-21
Wisconsin	State	399133350	08-31-21

Method Summary

Client: AECOM

Job ID: 200-57969-1

Project/Site: Scott Figgie West of Plant 2

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

Job ID: 200-57969-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-57969-1	2 Q21 AS	Air	04/06/21 09:10	04/07/21 10:40	Air Canister (6-Liter) #4785
200-57969-2	2 Q21 LRP	Air	04/06/21 09:00	04/07/21 10:40	Air Canister (6-Liter) #4304

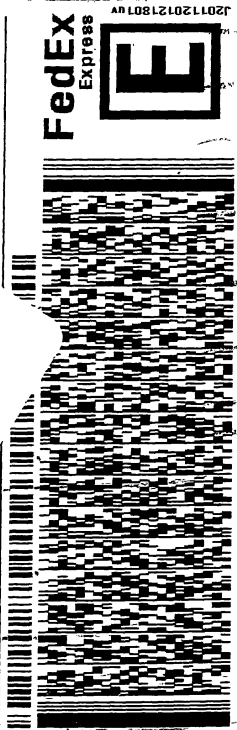
[illegible]

ORIGIN ID:DKKA (716) 691-2600
SHIP DATE: 06APR21
SAMPLE RECEIPT
ACTWT: 13.40 LB
EUROFINS TESTAMERICA BUFFALO
CAD: 846654/CAFE3409
10 HAZELWOOD DR
BILL RECIPIENT

AMHERST, NY 14227
UNITED STATES OF AMERICA

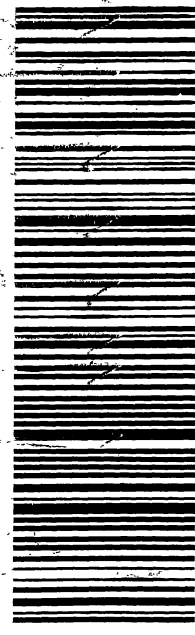
TO SAMPLE
TA BUF
530 C
SUITE
SOUTH B
916
10:30
4516
0407
FTZ
3

(802) 923-1026
REF: TA BURLINGTON AL



TRK# 1888 3863 4516
WED - 07 APR 10:30A
PRIORITY OVERNIGHT

NL BTVA
05403
VT-UG BTV



Login Sample Receipt Checklist

Client: AECOM

Job Number: 200-57969-1

Login Number: 57969

List Source: Eurofins TestAmerica, Burlington

List Number: 1

Creator: Lavigne, Scott M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	NA: Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	1536379
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	No: Thermal preservation not required
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	No: Thermal preservation not required
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Appendix F

Institutional Controls / Engineering Controls



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. 915149

Site Name Scott Aviation

Site Address: 225 Erie Street **Zip Code:** 14086

City/Town: Lancaster

County: Erie

Site Acreage: 0.600

Reporting Period: ~~July 15, 2019 to July 15, 2020~~

April 10, 2020 to April 9, 2021

YES NO

1. Is the information above correct?

☐

☒

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?

☐

☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

☐

☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

☐

☒

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development?

☐

☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?

☒

☐

Commercial and Industrial

7. Are all ICs/ECs in place and functioning as designed?

☒

☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Description of Institutional ControlsParcelOwnerInstitutional Control

104.16-4-8.1

AVOX Systems

Monitoring Plan
O&M Plan

A long-term monitoring program is in place and includes: (1) quarterly sampling of groundwater to monitor the effectiveness of the treatment systems, and (2) ~~monthly~~ quarterly sampling of the treatment systems to ensure compliance with discharge limits.

Description of Engineering ControlsParcelEngineering Control

104.16-4-8.1

Groundwater Treatment System
Vapor Mitigation
Cover System
Groundwater Containment

In accordance with the ROD, a 200-foot long groundwater collection trench was constructed approximately 90 feet west of Plant 2 during February 1996. The purpose of the trench is to maintain hydraulic control of VOC-impacted groundwater. The groundwater treatment system consists of a low-profile shallow tray air stripper (AS) unit. Treated water from the AS unit is discharged under a City of Buffalo Pollutant Discharge Elimination System permit. The groundwater treatment system began operation on March 1 1996.

The groundwater collection trench system was subsequently combined with a dual phase extraction system installed at the Site between February and May 2004. The combined remediation system began operation on May 14, 2004.

A long-term operation and maintenance program is in place and includes: (1) long-term operation and maintenance of the groundwater collection and treatment system, and (2) long-term operation and maintenance of the dual phase extraction system.

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

- a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;
- b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

☒ ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

- (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
- (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
- (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
- (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
- (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☒ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 915149

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Dino Zack, PG at One John James Audubon Parkway, Amherst, NY 14228
print name print business address

am certifying on behalf of Scott Figgie LLC (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Dino J. Zack on behalf of Scott Figgie LLC June 14, 2021
Signature of Owner, Remedial Party, or Designated Representative Date
Rendering Certification

IC/EC CERTIFICATIONS

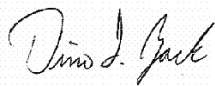
Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Dino Zack, PG at One John James Audubon Parkway, Amherst, NY 14228
print name print business address

am certifying as a Qualified Environmental Professional on behalf of Scott Figgie LLC
(Owner or Remedial Party)



on behalf of Scott Figgie LLC

June 14, 2021

Signature of Qualified Environmental Professional, for
the Owner or Remedial Party, Rendering Certification

Stamp
(Required for PE)

Date